
7 REFERENCES

- Aadland, R.K., and E.H. Bennett. 1979. Geologic Map of the Sandpoint Quadrangle, Idaho and Washington: Idaho Geological Survey, 1:250,000 Scale, 1 Plate.
- Abbot, A. H. and Duvenack. 1939. 1934-1939 Fish and Game Winter Game Study, Cabinet District Archives, Kootenai National Forest, USDA Forest Service.
- Acara, A.H. 1970. The Meadow Creek Spawning Channel. Unpublished MS Department of Recreation and Conservation, Fish and Wildlife Branch Victoria, BC.
- Achuff, P.F., W.D. Holland, G.M. Coen, and K. Van Tighem. 1984. Ecological land classification of Kootenay National Park, British Columbia. Vol. 1. Integrated resource description. Alta. Inst. Pedol., Edmonton, Alta. Publ. No. M-84-10.
- Achuff, P.F., W.D. Holland, G.M. Coen, and K. Van Tighem. 1984. Ecological land classification of Mount Revelstoke and Glacier National Parks, British Columbia. Vol. 1. Integrated resource description. Alta. Inst. Pedol., Edmonton, Alta. Publ. No. M-84-11.
- Agee, James K. 2001. Historical Fire Regimes of Western U.S. Forests. College of Forest Resources. University of Washington, Seattle. Unpublished paper.
- Ahrens, Robert and Josh Korman. 2002. B.C. Ministry of Water, Land, and Air Protection report for Habitat Conservation Trust Fund and the Bonneville Power Administration
- Alden, W. C. 1953. Physiography and glacial geology of western Montana and adjacent areas. U.S. Geological Survey, Professional Paper 231, Helena, Montana.
- Allan, J.H. 1980. Life history notes on the Dolly Varden char (*Salvelinus malma*) in the upper Clearwater River, Alberta. Alberta Energy and Natural Resources, Fish and Wildlife Division, Red Deer, Alberta, Canada.
- Allendorf, F.W., D.M. Esperlund, and D.T. Scow. 1980. Coexistence of native and introduced rainbow trout in the Kootenai River Drainage. *Proceedings of the Montana Academy of Sciences* 39:28-36.
- Alt, D.D. and D.W. Hyndman. 1989. *Roadside Geology of Idaho*: Mountain Press Publishing, Missoula, MT, 393 pp.
- Anders, P. and D. Richards. 1996. Implications of Ecosystem Collapse on White Sturgeon (*Acipenser transmontanus*) in the Kootenai River, Idaho, Montana, and British Columbia. In: *Proceedings of the International Congress on the Biology of Fishes*, San Francisco State University, CA. July 14-18, 1996. pp. 27-40.
- Anders, P. J. 1991. White sturgeon (*Acipenser transmontanus*) movement patterns and habitat use in the Kootenai River system, Idaho, Montana, and British Columbia. MS Thesis, Eastern Washington University. 153 pp.
- Anders, P. J. 1994. Kootenai River Sturgeon Studies and Experimental Culture. Annual Report of Research. Kootenai Tribe of Idaho. Prepared for the Bonneville Power Administration, Portland, OR.
- Anders, P. J. 1994. Kootenai River white sturgeon studies. Report A, Natural spawning and rearing of white sturgeon (*Acipenser transmontanus*) in the Kootenai River, Idaho 1993. Kootenai Tribe of Idaho. Prepared for Bonneville Power Administration. Annual Progress Report, Project 88-64, Bonners Ferry, Idaho.

REFERENCES

Anders, P.J. 1996. Kootenai River Sturgeon Studies and Experimental Culture. Annual Report of Research. Kootenai Tribe of Idaho. Prepared for the Bonneville Power Administration, Portland, OR.

Anders, P.J. and M.S. Powell. 2002. Population structure and mitochondrial DNA diversity of North American white sturgeon (*Acipenser transmontanus*): An empirical expansive gene flow model. (Chapter 3) In: Anders, P.J. 2002. Conservation Biology of White Sturgeon. Ph.D. Dissertation, University of Idaho, Aquaculture Research Institute, Center for Salmonid and Freshwater Species at Risk. Moscow, ID. 221 pp.

Anders, P.J. and M.S. Powell. 2002. Geographic and Frequency Distributions of Control Region Length Variation in the mtDNA Genome of White Sturgeon (*Acipenser transmontanus*) from the Columbia River Basin In: Anders, P.J. 2002. Conservation Biology of White Sturgeon. Ph.D. Dissertation, University of Idaho, Aquaculture Research Institute, Center for Salmonid and Freshwater Species at Risk. Moscow, ID. 221 pp.

Anders, P.J., D.L. Richards, M.S. Powell. 2002. The First Endangered White Sturgeon Population (*Acipenser transmontanus*): Repercussions in an Altered Large River-floodplain Ecosystem. Pages 67-82 In: W. Van Winkle, P. Anders, D. Dixon, and D. Secor, eds. Biology, Management and Protection of North American Sturgeons. American Fisheries Society Symposium 28.

Anders, P. J., D.L. Richards, and M.S. Powell. 2000. The first endangered white sturgeon population (*Acipenser transmontanus*): Repercussions in an altered large river-floodplain ecosystem. In: Proceedings of the 130th Annual Meeting of the American Fisheries Society. August 20-24, 2000. St. Louis MO. 8.1-8.32 pp.

Anders, P. and R. Westerhof. 1996a. Conservation Aquaculture of Endangered White Sturgeon (*Acipenser transmontanus*) from the Kootenai River, Idaho. Pages 51-62 In: Proceedings of the International Congress on the Biology of Fishes, San Francisco State University, CA. July 14-18, 1996.

Anders, P. and R. Westerhof. 1996b. Natural spawning of white sturgeon (*Acipenser transmontanus*) in the Kootenai River, 1995. Preliminary Report of Research FY95. Kootenai Tribe of Idaho and Bonneville Power Administration.

Anders, P., C. Gelok, and M. Powell. 2000. An initial genetic evaluation of brood stock selection for the Kootenai River White Sturgeon Conservation Aquaculture Program. In: Kootenai River Fisheries Studies. Kootenai Tribe of Idaho. 2000 Annual Report to the Bonneville Power Administration. Project No. 88-64. Portland OR.

Anders, P., H. Andrusak, K. Ashley, and J. Hammond. 2003. Kokanee and Ecosystem Restoration in South Arm Kootenay Lake and the Arrow Lakes Reservoir, British Columbia. Draft Pre-implementation Report and Work Plan prepared for the Kootenai Tribe of Idaho and the British Columbia Ministry of Land Water and Air Protection. S. P. Cramer and Associates, Moscow, ID. 44 pp.

Anders, P.J. 1993. Kootenai River white sturgeon studies. Kootenai Tribe of Idaho. Job Completion Report. Project Number 88-64.

Anders, P.J. 2002. Conservation Biology of White Sturgeon. Ph.D. Dissertation, University of Idaho, Aquaculture Research Institute, Center for Salmonid and Freshwater Species at Risk. Moscow, ID. 221 pp. (7 Chapters).

Anders, P.J., and L.B. Beckman. 1993. Comparisons of white sturgeon egg mortality and juvenile deformity among four areas of the Columbia River. Pages 355-364 in R.C. Beamesderfer and A.A. Nigro, (eds.). Status and habitat requirements of the white sturgeon populations in the Columbia River downstream from McNary Dam, Volume II. Final Report (Contract DE-A179-86BP63584) to Bonneville Power Administration, Portland, Oregon.

Andersson, K. A. 1942. Fiskar och fiske I Norden. Stockholm II: 541-1016.

- Andrusak, H. 2000 MS. Feasibility of Enhancement of West Arm of Kootenay Lake Kokanee. Contractor report for Habitat Conservation Trust Fund and Fisheries Renewal BC. Redfish Consulting, Ltd. Victoria, B.C. 43 p.
- Andrusak, H. 2003. Response of North Arm of Kootenay Lake Kokanee in 2002 to Experimental Fertilization Redfish Consulting, Ltd Contract Report for the Columbia Basin Fish and Wildlife Compensation Program Nelson, B.C.
- Andrusak, H. 1976. Kootenay Lake sport fishery 1972-1973. British Columbia Ministry of Environment Fish and Wildlife Report. British Columbia, Canada.
- Andrusak, H. 1981. Kootenay Lake Sportfishery Statistics 1978-80. Fisheries Technical Circular No. 53 19181. Ministry of Environment.
- Andrusak, H. 1987 Kootenay Lake Sport Fishery 1984-86 unpublished M.S., Fisheries Branch, Nelson, B.C. Report No. KO-19 31 p.
- Andrusak, H. 1987 Kootenay Lake Sport Fishery 1984-86 unpublished M.S., Fisheries Branch, Nelson, B.C. Report No. KO-19 31 p.
- Andrusak, H. 1999., MS. Performance evaluation of six kokanee spawning channels in British Columbia. Unpubl. MS. Ministry of Fisheries, Province of British Columbia Victoria, B.C.
- Andrusak, H. 2001. Response of North Arm of Kootenay Lake Kokanee in 2000 to Experimental Fertilization Redfish Consulting, Ltd Contract Report for the Columbia Basin Fish and Wildlife Compensation Program Nelson, B.C.
- Andrusak, H. and E.A. Parkinson. 1984. Food habits of Gerrard stock rainbow trout in Kootenay Lake, British Columbia. B.C. Ministry of Environment, Fish and Wildlife Branch, Fisheries Technical Circular No. 60. 1984.
- Andrusak, H., and C. Brown, 1987. Kootenay Lake Fisheries Management Plan 1987-89. B.C. Ministry of Environment, 56 pp
- Andrusak, H., D. Sebastian, I. McGregor, S. Matthews, D. Smith, K. Ashley, S. Pollard, G. Scholten, J. Stockner, P. Ward, R. Kirk, D. Lasenby, J. Webster, J. Whall, G. Wilson, H. Yassien. 2000. Okanagan Lake Action Plan Year 4 (1999) Report. Fisheries Project Report No. RD 83. Fisheries Management Branch, Ministry of Agriculture, Food and Fisheries, Province of British Columbia.
- Andrusak, H., P. Slaney, and L. Fleck. 2004. Status of Kokanee in the South Arm of Kootenay Lake and Assessment of Select Tributary Streams with Restoration Potential for Spawning Kokanee and Rainbow Trout. Redfish Consulting, Ltd. Contract Report for the Kootenai Tribe of Idaho, Bonners Ferry, ID.
- Andrusak, H., S. Matthews, I. McGregor, K. Ashley, G. Wilson, L. Vidmanic, J. Stockner, D. Sebastian, G. Scholten, P. Woodruff, D. Cassidy, J. Webster, A. Wilson, M. Gaboury, P. Slaney, G. Lawrence, W.K. Oldham, B. Janz and J. Mitchell. 2002. Okanagan Lake Action Plan Year 7 (2003) Report. Fisheries Project Report No. RD 106. 2003. Fisheries Management Branch, Ministry of Water, Land and Air Protection, Province of British Columbia.
- Anon. 1987 MS. Biostandards for Large Lakes. Working paper developed by Large Lakes Committee, Fisheries Program, Ministry of Environment, Lands and Parks, Victoria, B.C. 14 p.
- Antos, J. A., B. McCune, and C. Bara. 1983. The effect of fire on an ungrazed western Montana grassland. *American Midland Naturalist* 110: 354-364.

REFERENCES

- Apperson K.A. and P. J. Anders. 1990. Kootenai River White Sturgeon Investigations and experimental culture. Idaho Department of Fish and Game Annual progress Report. Project 88-65.
- Apperson, K. 1990. Kootenai River white sturgeon investigations and experimental culture. Idaho Department of Fish and Game. Prepared for Bonneville Power Administration. Annual Progress Report, Project 88-65, Boise, ID.
- Apperson, K. 1992. Kootenai River white sturgeon investigations and experimental culture. Annual Progress Report. FY 1991. Prepared for the Bonneville Power Administration. Portland, OR.
- Apperson, K. A. and P. J. Anders. 1991. Kootenai River white sturgeon investigations and experimental culture. Annual Progress Report FY90. Idaho Department of Fish and Game. Prepared for the U.S. Department of Energy, Bonneville Power Administration. Project No. 88-65. Portland, OR.
- Arcand-Hoy, L.D. and W.H. Benson. 1998. Fish reproduction: an ecologically relevant indicator of endocrine disruption. *Environmental Toxicology and Chemistry* 17(1): 49-57.
- Arkoosh, M.R., E. Casillas, E. Clemons, A.N. Kagley, R. Olson, P. Reno and J.E. Stein. 1998. Effect of pollution on fish diseases: potential impacts on salmonid populations. *Journal of Aquatic Animal Health* 10:182-190.
- Arndt, S. K. A. and J. Hutchinson. 2000. Characteristics of burbot spawning in a tributary to Columbia Lake, British Columbia, over a four-year period. Pages 48-60 in V. L. Paragamian and D. W. Willis, editors. *Burbot: biology, ecology, and management*. American Fisheries Society, Fisheries Management Section, Publication Number 1, Bethesda, Maryland.
- Ashley K. and L. Thompson. 1993. Kootenay Lake fertilization experiment, year one (1992/1993) report. Fisheries Branch, Ministry of Environment, Lands and Parks, University of British Columbia. Fisheries Project Report No. RD 32. 52 pp.
- Ashley K., L. C. Thompson, D. Lombard, Y-R. Yang, F. R. Pick, P. B. Hamilton, D. C. Lasenby, K. E. Smokorowski, D. Sebastian, and G. Scholten. 1999a. Kootenay Lake fertilization experiment – year 5 (1996/97) report. RD 65, Fisheries Branch, Ministry of Environment, Lands and Parks, Province of British Columbia.
- Ashley, K. L., L. C. Thompson, L. Haywood-Farmer, R. Rae, F. R. Pick, P. B. Hamilton, D. L. Lasenby, K. E. Smokorowski, and L. McEachern. 1994. Kootenay Lake fertilization experiment – Year 2 (1993/1994) report. Fisheries Project Report No. RD 41. Province of British Columbia, Ministry of Environment, Lands, and Parks, Fisheries Branch.
- Ashley, K., and 5 co-authors. 1997. Restoration of an interior lake ecosystem: Kootenay Lake fertilization experiment. *Wat. Qual. Res. J. Can.* 32:192-212.
- Ashley, K., L.C. Thompson, D. Sebastian, D.C. Lasenby, K.E. Smokorowski and H. Andrusak. 1999. Restoration of kokanee salmon in Kootenay Lake, a large intermontane lake, by controlled seasonal additions of nutrients. pp. 127-170. In: *Aquatic Restoration in Canada*. T. Murphy and M. Munawar (eds.). *Ecovision World Monograph Series*, Backhuys Publishers, Leiden, Netherlands.
- Ashley, K., Thompson, Lombard, D. P., Yang, Y-R., Pick, F. R., Hamilton, Lasenby, D.B. Smokorowski, K. E., McEachern, L., P.B., Sebastian D. C., and George Scholten. 1999. Kootenay Lake Fertilization Experiment – Year 5 (1996/97) Report. Fisheries Project Report No. 65 1999 Province of B.C. Ministry of Fisheries Fisheries Management Branch.
- Ashley, K.I., L.C. Thompson, D.C. Lasenby, L. McEachern, K.E. Smokorowski and D. Sebastian. 1997. Restoration of an Interior Lake Ecosystem: The Kootenay Lake Experiment. *Water Qual. Res. J. Canada* (32):295-323.

- Ashley, K., Lisa C. Thompson, David C. Lasenby, Laurie McEachern, Karen E. Smokorowski and Dale Sebastian. 1997. Restoration of an Interior Lake Ecosystem: the Kootenay Lake Fertilization Experiment. *Water Qual. Res. J. Canada*, 1997 Volume 32 No. 295-323.
- B.C. Ministry of Water, Land, and Air Protection. 2002. Indicators of Climate Change for British Columbia, 2002. Victoria, B.C.
- Baker, R.D., L. Burt, R.S. Maxwell, V.H. Treat, and H.C. Dethloff. 1993. The National Forests of the Northern Region: Living Legacy. USDA Forest Service, Region One, in *Temporal Ecological Synthesis for Kootenai National Forest Phase I Report*, 1995, Kootenai National Forest, USDA Forest Service, pg. 124.
- Barrett, S. W., and S. F. Arno. 1982. Indian fires as an ecological influence in the Northern Rockies. *Journal of Forestry* 80: 647–651.
- Bartley, D. M., G. A. E. Gall, and B. Bentley. 1985. Preliminary description of the genetic structure of white sturgeon, (*Acipenser transmontanus*) in the Pacific Northwest. In: F. P. Binkowski and S. E. Dorshov (eds.) *North American Sturgeons*. W. Junk Publishers, Dordrecht, The Netherlands.
- Bauer, S. 1999. Kootenai River water quality summary: 1997/1998. Prepared for the Kootenai Tribe of Idaho. Bonners Ferry, ID.
- Bauer, S.B. 2000. Kootenai River tributaries - water quality summary - 1998/2000. Prepared by Pocket Water, Inc. for the Kootenai Tribe of Idaho. Bonners Ferry, ID. 39 pp.
- Baxter, J., C. Spence, and M. Newfeld. 2002b. Kootenay Lake Burbot Studies Progress 2000-2001. B.C. Ministry of Water, Land, and Air Protection report for Habitat Conservation Trust Fund and the Bonneville Power Administration.
- Baxter, J.S. and G.G. Oliver. 1997. Bull trout metapopulation structure in the upper Kootenay River: fish and habitat summary data. Prepared for Ministry of Environment, Lands and Parks by Interior Reforestation Co., Ltd. Cranbrook, B.C. 117 pp. Plus Appendices.
- Baxter, J.S., and W.T. Westover 2000. An overview of the Wigwam River bull trout program (1995–1999). Habitat conservation trust fund final report. Fisheries Project Report KO 58. British Columbia Environment, Cranbrook.
- Bayley, P. B. 1995. Understanding Large River-Floodplain Ecosystems. *Bioscience* 45 (3):153-158.
- BC Hydro. 2003. BC Hydro Website: <http://www.bchydro.com/>.
- Beamesderfer, R. C. P., and R. A. Farr. 1997. Alternatives for the management and protection of sturgeons and their habitat. *Environmental Biology of Fishes* 48: 407-417.
- Becker, G. 1983. *Fishes of Wisconsin*. The University of Wisconsin Press. Madison, WI.
- Beeton, A. M. 1956. Food habits of the burbot (*Lota lota lacustris*) in the White River, a Michigan trout stream. *Copia* 1956:58-60.
- Behnke, R. J. 1992. *Native Trout of Western North America*. American Fisheries Society Monograph #6. 261 pp.

REFERENCES

- Bell, M.A.M. 1964. Phytocoenoses in the dry subzone of the Interior Western Hemlock Zone of British Columbia. Ph.D. thesis. Univ. B.C., Vancouver, B.C.
- Bemis, W. E., and B. Kynard. 1977. Sturgeon rivers: an introduction to Acipenseriform biogeography and life history. *Environmental Biology of Fishes* 48:167-183.
- Bennett, E.H., Kopp, R.S., and J.H. Galbraith. 1975. Reconnaissance Geology and Geochemistry of the Mt. Pend Oreille Quadrangle and Surrounding Areas; Idaho Geological Survey, 80 pp, 2 Plates.
- Bernard, D. R., J. F. Parker, and R. Lafferty. 1993. Stock assessment of burbot populations in small and moderate-size lakes. *North American Journal of Fisheries Management* 13:657-675.
- Birstein, V. J. 1993. Sturgeons and paddlefishes: threatened fishes in need of conservation. *Conservation Biology* 7: 773-787.
- Birstein, V. J., and W. E. Bemis. 1997. How many species are within the genus *Acipenser*. *Environmental Biology of Fishes* 48:157-163
- Birstein, V. J., R. Hanner, and R. LaSalle. 1997b. Phylogeny of the Acipenseriformes: cytogenetic and molecular approaches. *Environmental Biology of Fishes* 48:127-155.
- Birstein, V. J., W. E. Bemis, and J. R. Waldman. 1997a. The threatened status of acipenseriform fishes: a summary. 1997. *Environmental Biology of Fishes* 48:427-435.
- Bishop, F. G. 1975. Observations on the fish fauna of the Peace River in Alberta. *Canadian Field-Naturalist* 89:423-430.
- Bissell, G. 1996. Hungry Horse and Libby riparian/wetland habitat conservation implementation plan. Montana Fish, Wildlife and Parks. Kalispell, MT.
- Bisset and Cope. 2002. Goat River burbot spawner enumeration program, Creston, B.C.
- Bjorn, E.E. 1940. Preliminary observations and experimental study of the ling, *Lota maculosa* (LeSueur) in Wyoming. *Transactions of the American Fisheries Society* 69:192-196.
- Block, D.G. 1955. Trout migration and spawning studies on the North Fork drainage of the Flathead River. University of Montana, MS Thesis.
- Boag, T.D. 1989. Growth and fecundity of burbot, *Lota lota* L., in two Alberta lakes. Master's Thesis, University of Alberta, Edmonton.
- Bond, J.G. 1978. Geologic Map of Idaho: Idaho Geological Survey Miscellaneous Maps, 1:500,000 Scale, 1 Plate.
- Bonde, J.H. 1987. The Libby Dam/Lake Koocanusa Project. Prepared for the U.S. Army Corps of Engineers, Seattle District. Shapiro and Assoc. Seattle, WA.
- Bonde, J.H. and R.M. Bush. 1982. Limnological investigations: Lake Koocanusa, Montana: Part I. pre-impoundment study, 1967-72. U.S. Army Corps of Engineers, Seattle District, Seattle, WA.

- Bonneville Power Administration. 1997. Kootenai River white sturgeon conservation aquaculture project. Environmental Assessment (DOE/EA-1169). Portland, OR.
- Boreman, J. 1997. Sensitivity of North American sturgeon and paddlefish populations to fishing mortality. *Environmental Biology of Fishes* 48:399-405.
- Bradley, C., J. Rhodes, J. Kessler, C. Frissell. 2002. An Analysis of Trout and Salmon Status and Conservation Values of Potential Wilderness Candidates in Idaho and Eastern Washington. A Report by the Western Native Trout Campaign. November, 2002
- Brandborg, S.M. 1955. Life History and Management of Mountain Goats in Idaho. Idaho Department of Fish and Game, Boise, Idaho. 142 pp.
- Brannon, E., S. Brewer, A. Setter, M. Miller, F. Utter, and W. Hersberger. 1985. Columbia River (*Acipenser transmontanus*) early life history and genetics study. Prepared for US Department of Energy, Bonneville Power Administration. Contract No. DE-AI-84BP18952. Portland, OR.
- Braumandl, T.F. and M.P. Curran. 2002. A field guide for site identification and interpretation for the Nelson Forest Region. Land Manage. Handb. 20. B.C. Min. For., Victoria, B.C.
- Breaser, S. W., F. D. Stearns, M. W. Smith, R. L. West, and J. B. Reynolds. 1988. Observations of movements and habitat preferences of burbot in an Alaskan glacial river system. *Transactions of the American Fisheries Society* 117:506-509.
- Briske, D.D. and R.K. Heitschmidt. 1991. An ecological perspective. Pp11-26 in R.K. Heitschmidt and J.W. Stuth eds. *Grazing management: an ecological perspective*. Timber Press, Portland, Oregon. 259p.
- British Columbia Environment and Land Use Secretariat. 1978. Columbia–Windermere Lakes area: an overview study. 55pp.
- Brown, E.R., tech. ed. 1985. Management of wildlife and fish habitats in forest of western Oregon and Washington. Portland, OR; U.S. Department of Agriculture, Forest Service, Pacific Northwest Region. 332 pp.
- Brown, J. B., A. T. Beckenbach, and M. J. Smith. 1992. Influence of Pleistocene glaciations and human intervention upon mitochondrial DNA diversity in white sturgeon (*Acipenser transmontanus*) populations. *Canadian Journal of Fisheries and Aquatic Sciences* (49) 358-367.
- Brown, J. B., A. T. Beckenbach, and M. J. Smith. 1993. Intraspecific DNA sequence variation of the mitochondrial control region of white sturgeon (*Acipenser transmontanus*). *Molecular Biology and Evolution* 10(2): 326-341.
- Brown, J. R. 1991. Molecular evolution and population genetics of sturgeon (genus *Acipenser*) based on mitochondrial analysis. Ph.D. Thesis, Simon Fraser University, Burraby, British Columbia, Canada.
- Brown, J.R., K. Beckenbach, A.T. Beckenbach, and M.J. Smith. 1996. Length variation, heteroplasmy and sequence divergence in the mitochondrial DNA of four species of sturgeon (*Acipenser*). *Genetics*. 142:525-535.
- Brown, W. M. 1985. Evolution of animal DNA, pp. 62-88 In: M. Nei and R. K. Koehn (eds.) *Evolution of genes and proteins*. Sinauer, Sunderland, MA.
- Bruch, R., F. P. Binkowski, and S. I. Doroshov, eds. 2001. Proceedings of the Fourth International Symposium on Sturgeons, Oshkosh, Wisconsin, USA, 8-13 July 2001.

REFERENCES

- Bull, C.J. 1965 Enumeration of kokanee salmon populations on the Lardeau-Duncan River system 1964. Brit. Col. Fish and Wildlife Br., Fish. Mngt. Rept. 46 12 p.
- Burgner, R.L. 1991. Life History of Sockeye Salmon, pp. 3-117. In: C. Groot and L. Margolis (eds.) Pacific Salmon Life Histories. University of British Columbia.
- Bursik, R. J. and R. K. Moseley. 1995. Ecosystem Conservation Strategy for Idaho Panhandle Peatlands. Cooperative project between Idaho Panhandle national Forests and Idaho Department of Fish and Game, Conservation Data Center, Boise. 28 pp. Plus appendix.
- Bush, J.H. 1989. "The Cambrian System of Northern Idaho and Northwestern Montana", in V.E. Chamberlain, R.M. Breckenridge, and B. Bonnicksen, editors, Guidebook to the Geology of Northern and Western Idaho and Surrounding Area: Idaho Geological Survey, Moscow, Bulletin 28, p 103-121.
- Cain et al. 2003. Feasibility Assessment and Development of Burbot (*Lota lota*) Conservation Aquaculture. University of Idaho. Proposal to the Kootenai Tribe of Idaho.
- Cain, K and N. Jensen. 2004. Preliminary Investigations into the Feasibility of Developing Conservation Aquaculture Techniques for Burbot (*Lota lota*). Annual report prepared for the Kootenai Tribe of Idaho. Bonners Ferry, ID.
- Campbell, A. G., and J. F. Franklin. 1979. Riparian vegetation in Oregon's western Cascade Mountains: composition, biomass, and autumn phenology. Coniferous Forest Biome, Ecosystem Analysis Studies, US International Biological Program, Progress Bulletin Number 14. University of Washington, Seattle, WA.
- Campton, D, E., A. L. Bass, F. A. Chapman, and B. W. Bowen. 2000. Genetic distinction of pallid, shovelnose, and Alabama sturgeon: Emerging species and the U.S. Endangered Species Act. Conservation Genetics 1:17-32.
- Casey, D. 2000. Partners in flight draft bird conservation plan, Montana, Version 1.0. Montana Partners In Flight. Montana Fish, Wildlife, and Parks. Kalispell, MT.
- Casey, D., C.A. Yde and A.O. Olsen. 1984. Wildlife Impact Assessments and Mitigation Summary. Montana Hydroelectric Projects Volume III - Hungry Horse Dam. MDFWP-USDE BPA. Final Report Project 83-464. 66pp.
- Century West, Summit Environmental, Aqua-Tex Scientific Consulting, EcoAnalysts, and Inter-Fluve, Inc. 1999. Comprehensive water quality monitoring plan for the Kootenai River Basin, British Columbia, Montana, and Idaho. Prepared for the Kootenai Tribe of Idaho. Bonners Ferry, ID.
- Chapman, D. W. and B. May. 1986. Downstream movement of rainbow trout past Kootenai Falls, Montana. North American Journal of Fisheries Management 6:47-51.
- Chapman, F. A., J. P. VanEennaam, and S. I. Doroshov. 1996. The reproductive condition of white sturgeon, *Acipenser transmontanus*, in San Francisco Bay, California. Fishery Bulletin 94:628-634.
- Chen, L. 1969. The biology and taxonomy of the burbot, *Lota lota* lepta, in interior Alaska. Bio. Paper of the University of Alaska. The Allen Press.
- Chisholm, I., M.E. Hensler, B. Hansen, and D. Skaar. 1989. Quantification of Libby Reservoir levels needed to maintain or enhance reservoir fisheries. Montana Dept. of Fish, Wildlife and Parks; Prepared for the Bonneville Power Administration, Portland, OR.

- Chugg, J. C. and M. A. Fosberg. 1980. Soil Survey of Boundary County Area, Idaho. U.S. Department of Agriculture, Soil Conservation Service. 72 pp.
- Clady, M.D. 1976. Distribution and abundance of larval ciscoes, *Corgonus artedii*, and burbot, *Lota lota*, in Oneida Lake. J. Great Lakes Res.
- Clemens, H.P. 1951a. The food of the burbot, *Lota lota maculosa*, (LeSueur) in Lake Erie. Transactions of the American Fisheries Society 80: 56-66.
- Clemens, H.P. 1951b. The growth of the burbot, *Lota lota maculosa*, (lesueur) in Lake Erie. Transactions of the American Fisheries Society 80: 163-173.
- Cloern, J.E. 1976. Recent limnological changes in southern Kootenay Lake, British Columbia. Canadian Journal of Zoology 54:1571-1578.
- Cole, Pat and Paul Hanna. 2000. Wetland Restoration And Management Plan Boundary Creek Wildlife Management Area Boundary County, Idaho. Idaho Department of Fish and Game. Coeur d'Alene, ID.
- Comeau, P.G., M.A. Comeau, and G.F. Utzig. 1982. A guide to plant indicators of moisture for Southeastern British Columbia, with engineering interpretations. B.C. Min. For., Victoria, B.C. Land Manage. Handb. No. 5.
- Conner, Richard, Andrew Seidl, Larry VanTassell and Neal Wilkins. 2001. United States Grasslands and Related Resources: An Economic and Biological Trends Assessment. Texas Agricultural Extension Service, Texas A&M University.
- Conte, F. S., S. I. Doroshov, P. B. Lutes, and M. E. Strange. 1988. Hatchery manual for the white sturgeon (*Acipenser transmontanus*) with application to other North American Acipenseridae. Publications Division, Agriculture and Natural Resources, University of California, Oakland. Publication 3322.
- Continental Lands, Inc. in litt. 1998. Application for preliminary permit.
- Cooper, S.V., K.E. Neiman, R. Steele, and D.W. Roberts. 1987. Forest habitat types of northern Idaho: a second approximation. U.S. Dep. Agric. For. Serv. Intermtn. For. Range Exp. Stn., Ogden, Utah. Gen. Tech. Rep. INT-236.
- Cope, Michael G. 1992. Distribution, Habitat Selection and Survival of Transplanted Columbian Sharp-Tailed Grouse (*Tympanuchus phasianellus columbianus*) in the Tobacco Valley, Montana. MS thesis, MT State Univ. Bozeman, MT. 60 pp.
- Corn, S; P. Hendricks; T. Koch; B. Maxell; C. Peterson; and K. Werener. 1998. Unpublished letter to USFS Region 1 Species at Risk Task Group: subject - Boreal toad (*Bufo boreas boreas*) listing as a sensitive species for all Region 1 Forests. 8 pp.
- Couey, F.M. 1972. Interviews for area history. Unpublished. Kootenai National Forest. Libby, MT
- Coutant, C.C. 2004. A riparian hypothesis for successful reproduction of white sturgeon. Reviews in Fisheries Science 12:23-73.
- Cummins, K. W. 1974. Structure and function of stream ecosystems. Bioscience 24:631-641.
- Dahl, T.E. 1990. Wetland-losses in the United States, 1780's to 1980's. U. S. Fish and Wildlife Service Report to Congress. Washington, DC.

REFERENCES

- Dalbey, S., J. DeShazer, L. Garrow, G. Hoffman, and T. Ostrowski. 1997. Quantification of Libby Reservoir levels needed to maintain or enhance reservoir fisheries: methods and data summary, 1988 - 1996. Montana Department of Fish, Wildlife, and Parks. Project Number 83-467. Libby, MT.
- Daley, R. J., E.C. Karmach, C.B.J. Gray, C.H. Pharo, S. Jasper, and R. C. Wiegand. 1981. The effects of upstream impoundments on the limnology of Kootenay Lake, B.C. Scientific Service No. 117. National Water Research Institute, Inland Waters Directorate. Vancouver, British Columbia. 96 pp.
- Daley, R.J., E.C. Carmack, C.B.J. Gray, C.H. Pharo, S. Jasper, and R.C. Wiegand. 1981. The effects of upstream impoundments on Kootenay Lake, B.C. Canada Inland Waters Directorate, Research Institute, Scientific Series, West Vancouver, B.C.
- Deiter, D.A. 2000. Kootenai River Watershed Assessment (Draft). Panhandle National Forest, Bonners Ferry Ranger District, Bonners Ferry, ID.
- Demarchi, D.A. 1986a. Biophysical resources of the East Kootenay area: wildlife. MOE Tech. Rep. 22. B.C. Min. Environ., Wildlife Branch, Victoria, B.C.
- Demarchi, D.A. 1986b. 345 million years in the Trench. pp. 5-10. In proceedings of Rocky Mountain Trench wildlife conference. Purdy, C., and J. Halleran. B.C. Wildlife Federation, Surrey, B.C.
- Demarchi, Dennis A. 1996. An Introduction to the Ecoregions of British Columbia Wildlife Branch, Ministry of Environment, Lands and Parks, Victoria, B.C.
- DeVore, D., B. James, and R. Beamesderfer. 1999. Lower Columbia River white sturgeon current stock assessment and management implications. Washington Department of Fish and Wildlife. Report No. SS 99-08.
- Dhillion, S.S. and C.F. Friese. 1992. The occurrence of mycorrhizas in prairies: Application to ecological restoration. Pp. 103-114 in R.G. Wickett, P.D. Lewis, A. Woodliffe, and P. Pratt, eds., Proceedings of the Thirteenth North American Prairie Conference: Spirit of the Land, Our Prairie Legacy. Department of Parks and Recreation, Windsor, Ont.
- Dobkin, D. S. 1992. Neotropical migrant landbirds in the Northern Rockies and Great Plains. USDA Forest Service Northern Region. Pub. No. R1-93-34. Missoula, MT. B-42.
- Dolan, Patricia M. 1994. The Common Loon (*Gavia immer*) in the Northern Region: Biology and Management Recommendations. USDA USFS Region 1. Lolo NF. Missoula, MT. 76 pp.
- Donald, D.B. and D.J. Alger. 1993. Geographic distribution, species displacement, and niche overlap for lake trout and bull trout in mountain lakes. Canadian Journal of Zoology 71:238-247.
- Dood, Arnold R. and Helga I. Pac. 1993. Five year update of the programmatic environmental impact statement, the grizzly bear in northwestern Montana. Montana Fish, Wildlife and Parks, Helena, MT. 228 pp.
- Dorey, R. J. 1979. A fire history investigation and the effects of fire exclusion on a ponderosa pine forest in southeastern British Columbia. B.S. thesis, University of British Columbia, Vancouver.
- Downs, C. 1998. Kootenai River Trout investigations. Idaho Department of Fish and Game. Prepared for Bonneville Power Administration. Annual Progress Report, Project 88-65. Portland, OR.

- Downs, C. 1999. Kootenai River Trout investigations. Idaho Department of Fish and Game. Prepared for Bonneville Power Administration. Annual Progress Report, Project 88-65. Portland, OR.
- Downs, C. C. 2000. Kootenai River fisheries investigations: Rainbow trout recruitment. 1998 Annual report to Bonneville Power Administration. Project 88-65. Idaho Department of Fish and Game, Boise, ID.
- Doyle, A.T. 1990. Use of riparian and upland habitats by small mammals. *J. Mammology* 71: 19-23.
- Duke, S., P. Anders, G. Ennis, R. Hallock, J. Hammond, S. Ireland, J. Laufle, L. Lockard, B. Marotz, V. Paragamian, and R. Westerhof. 1999. Recovery plan for Kootenai River white sturgeon (*Acipenser transmontanus*). *Journal of Applied Ichthyology* (15):157-163.
- DuPont, J. U. of Idaho, in litt. 1991. Data sheets from graduate research.
- Ebert, T.A. and M.L. Balko. 1987. Temporal pools as islands in space and in time: the biota of vernal pools in San Diego, southern California. *Arch. Hydrobiol.* 110:101-123.
- EcoAnalysts, Inc. 1998. Fish and Macroinvertebrate Survey of Trout Creek, Long Canyon Creek, and Parker Creek; Three tributaries of the Kootenai River. Prepared for the Kootenai Tribe of Idaho. November 1998.
- EcoAnalysts, Inc. 1998a. Stream habitat survey of Long Canyon, Parker and Trout Creeks: tributaries to the Kootenai River, Idaho, with special consideration of kokanee spawning habitat and enhancement potential. Prepared for the Kootenai Tribe of Idaho, Bonners Ferry, ID.
- Edsall, T.A., G.W. Kennedy, and W.H. Horns. 1993. Distribution, abundance, and resting microhabitat of burbot on Julian's Reef, southwestern Lake Michigan. *Trans. Of the Amer. Fish. Soc.* 122: 560-574.
- Environmental Protection Agency. 2004. Kootenai River Valley Wetlands and Riparian Conservation Strategy. Kootenai Tribe of Idaho, Bonners Ferry, ID. 76 pp.
- Evans, H.F. 1960. A preliminary investigation of caribou in northwestern United States. M.S. Thesis, Montana State University, Missoula, MT. 145 pp.
- Evans, R.D. and J. Belnap. 1999. Long-term consequences of disturbance on nitrogen dynamics in an arid ecosystem. *Ecology* 80:150-160.
- Evenson, M. J. 1993. Seasonal movements of radio-implanted burbot in the Tanana River drainage. Alaska Department of Fish and Game, Division of Sport Fisheries, Fishery Data Series 93-47, Anchorage, Alaska.
- Evenson, M. J. 2000. Reproductive traits of burbot in the Tanana River, Alaska. Pages 61-70 in V. L. Paragamian and D. W. Willis, editors. *Burbot: biology, ecology, and management*. American Fisheries Society, Fisheries Management Section, Publication Number 1, Bethesda, MD.
- Federal Register, 2000. Unified Federal Policy for a Watershed Approach to Federal Land and Resource Management. Vol. 65, No. 202, October 18, 2000. FR Doc. 00-110 pp.62565-62572. [www.epa.gov/fedrgstr/ EPA-IMPACT/2000/October/Day-18/i26566](http://www.epa.gov/fedrgstr/EPA-IMPACT/2000/October/Day-18/i26566).
- FERC (Federal Energy Regulatory Commission), in litt. 1998. Letter to Continental Lands, Inc. notifying that the preliminary permit application for the Boundary Creek Water Power Project had been accepted.

REFERENCES

- Ferguson, Sue A. 2000. The Spatial And Temporal Variability Of Rain-On-Snow. In Proceedings of the International Snow Science Workshop, 1-6 October 2000, Big Sky, MT. American Avalanche Association. 178-183.
- Ferreira, R.F., D.B. Adams, R.E. Davis. 1992. Development of thermal models for Hungry Horse Reservoir and Lake Koocanusa, Northwestern Montana and British Columbia. U.S. Geological Survey, Water-Resources Investigations Report 91-4134.
- Fischer, P. and R. Eckmann. 1997. Spatial distribution of littoral fish species in a large European lake, Lake Constance, Germany. *Archiv fur hydrobiology* 140:1-20.
- Findeis, E. K. 1997. Osteology and phylogenetic interrelationships of sturgeons (Acipenseridae). *Environmental Biology of Fishes* 48:73-126.
- Finklin, A. I. and W.C. Fischer. 1987. Climate of the Deception Creek Experimental Forest, Northern Idaho: USDA Forest Service, Intermountain Research Station, Ogden, UT. General Technical Report INT-226. 73 pp.
- Fischer, P. 1999. Otolith microstructure during the pelagic, settlement, and benthic phases in burbot. *Journal of Fish Biology* 54:1231-1243.
- Fischer, William C., Bradley, Anne F. 1987. Fire Ecology of Western Montana Forest Habitat Types. General Technical Report INT-223. Intermountain Research Station. USDA For Ser. Ogden, Ut. 95 pgs.
- Foran, J.A. and S.A. Ferenc. 1999. Multiple stressors in ecological risk and impact assessment. SETAC Pellston Workshop on Multiple Stressors in Ecological Risk and Impact Assessment; 13-18 September 1997; Pellston, Michigan. SETAC Press, Pensacola, FL.
- Fraley, J., B. Marotz, J. Decker-Hess, W. Beattie, and R. Zubic,. 1989. Mitigation, compensation, and future protection for fish populations affected by hydropower development in the Upper Columbia System, Montana. *USA Regulated Rivers: Research and Management* (3):3-18.
- Fraley, J.J. and B.B. Shepard. 1989. Life history, ecology, and population status of migratory bull trout (*Salvelinus confluentus*) in the Flathead Lake and River system, Montana. *Northwest Science* 63(4): 133-143.
- Franzman, A.W. and C.C. Schwartz, tech. ed. 1998. Ecology and management of the North American moose. Wildlife Management Institute, Washington, DC. 733 pp.
- Freddy, D. J. 1974. Status and Management of the Selkirk caribou Herd. M. S. Thesis. University of Idaho, Moscow, ID. 132 pp.
- Fredenbergh, W. 2000. Lake trout in the Pacific Northwest—"When good fish go bad." Proceedings of the 10th international aquatic nuisance species and zebra mussel conference. Toronto, Canada.
- Fredericks, J. and L. Fleck. 1995. Estimating abundance of larval and advanced Yoy sturgeon and burbot in the Kootenai River and Kootenay Lake. BPA.
- Fredericks, J., and S. Hendricks. 1997. Kootenai River fisheries investigations: Rainbow trout recruitment investigations. 1996 Annual report to Bonneville Power Administration, Project 88-65. Idaho Department of Fish and Game. Boise, Idaho.
- Georgi, A. 1993. The status of Kootenai River white sturgeon. Report prepared for the Pacific Northwest Utilities Conference Committee. September 1993. 58 pp. plus appendices.

- Ghan, D., and W. G. Sprules 1991. Distribution and abundance of larval and juvenile burbot (*Lota lota*) in Onieda Lake, New York. *Verhandlungen der Internationalen Vereinigung der Limnologie* 24:2377-2381.
- Ghan, D. and W. G. Sprules. 1993. Diet, prey selection and growth of larval and juvenile burbot *Lota lota* (L.). *Journal of Fish Biology* 42:47-64.
- Girsa, I.I. 1973. The effect of photoperiod and water temperature on photoreaction in some fish. *Journal of Ichthyology*. 12(3):505-510.
- Goetz, F. 1989. *Biology of the bull trout, Salvelinus confluentus, a literature review*. USFS Willamette National Forest, Salem, OR.
- Goetz, F. 1991. *Bull trout life history and habitat study*. Oregon State University, Corvallis, OR. Masters Thesis. 49 p.
- Goodman, J. 1958 Report on the Kokanee Studies 1953-1957. Internal IPSC report on Quesnel Lake kokanee. International Pacific Salmon Commission, Department of Fisheries and Oceans, Vancouver, B.C. 19 pp
- Graham, P.J. 1979. Aquatic environmental analysis of Kootenai Fall. Montana Department of Fish and Game prepared for Department of Natural Resources.
- Graham, P.J., D. Reed, S. Leathe, J. Miller and K. Pratt. 1980. Flathead River basin fishery study - 1980. EPA-Region 8, Water Division and Montana Department of Fish, Wildlife and Parks, Helena, MT.
- Graham, P.J., P.W. Fredenberg and J. Huston. 1982. Supplements to recommendations for a fish and wildlife program. Submitted to: Northwest Power Planning Council by Montana Department of Fish, Wildlife and Parks. Kalispell, MT.
- Gresswell, R.E., B.A. Barton and J.L. Kershner, ed. 1989. Practical approaches to riparian resource management: an educational workshop. Proceedings of a workshop; 1989 May 8-11; Billings, MT. U.S. Bureau of Land Management. 193 pp.
- Guinn, D. A., and J. E. Hallberg. 1990. Precision of estimated ages of burbot using vertebrae and otoliths. Alaska Department of Fish and Game, Fishery Data Series No.90-17, Juneau, AK.
- Guthruf, J., S. Gerster, and P. A. Tschumi. 1990. The diet of burbot (*Lota lota*) in Lake Biel, Switzerland. *Archiv fur Hydrobiologie* 119:103-114.
- Hadley K.S. and Veblen T.T. 1993. Stand response to western spruce budworm and Douglas-fir bark beetle outbreaks, Colorado front range. *Can. J. For. Res.* 23:479-91.
- Hallberg, J.E. 1986. Northern Pike/Burbot Research Project Segment. Alaska Sport Fish.
- Halbert, C. L. 1993. How adaptive is adaptive management? Implementing adaptive management in Washington State and British Columbia. *Reviews in Fish Biology and Fisheries* 1:261-283.
- Hammond, R. J., and P. J. Anders. 2003. Population Biology and Population Genetics Reviews of Kootenai Basin Burbot Upstream from Bonnington Falls, British Columbia. Draft Report prepared for the U.S. Department of Energy, Bonneville Power Administration Division of Fish and Wildlife, Portland, OR. 97208.Contract No. 00012146. 33 pp.

REFERENCES

- Hanson, J.M. and Qadri, S.U. 1980. Morphology and diet of young-of-the-year burbot, *Lota lota*, in the Ottawa River. *Can. Field Nat.*
- Harding, L.E. 1994. Introduced wildflowers and range and agricultural weeds in British Columbia. In L.E. Harding and E. McCullum (eds.), *Biodiversity in British Columbia: our changing environment*. Environment Canada.
- Harnett, D.C. and G.W.T. Wilson. 1999. Mycorrhizae influence plant community structure and diversity in tallgrass prairie. *Ecology* 80:1187-1195.
- Harrison, J.E., Cressman, E.R., and Wipple, J.W. 1983. Preliminary Geology and Structure Map of Part of the Kalispell Two Degree Quadrangle, Montana. US Geological Survey, Open-file Report 83-502.
- Hatfield, C.T. et al. 1972. Fish resources of the Mackenzie River valley, Vol. I. Dept. of the Env.
- Hauer, F.R. and J.A. Stanford. 1997. Long-term influence of Libby Dam operation on the ecology of macrobenthos of the Kootenai River, Montana and Idaho. Report to Montana Fish, Wildlife & Parks. University of Montana, Flathead Lake Biological Station, Polson, MT.
- Hauer, F.R., J.B. Biby, J.T. Gangemi and J.A. Stanford. 1997. Long-term influence of Libby Dam operation on the ecology of macrozoobenthos of the Kootenai River.
- Hauer, R. 1997. Kootenai river zoobenthos investigation. Kootenai River Fisheries Investigations – MT. MFWP. Annual Report to Bonneville Power Administration. Proj. No.83 467.
- Hauer, R., J.T. Gangemi and J. Stanford. 1997. Long-term influence of Libby Dam Operation on the ecology of macrozoobenthos of the Kootenai River, Montana and Idaho. Flathead Lake Biological Station. Yellow Bay, MT; Prepared for Montana Fish, Wildlife and Parks. Helena, MT. 61 pp.
- Heath, A.G. 1995. Water pollution and fish physiology. CRC Press, Boca Raton Florida.
- Heimer, J.T. 1965. A supplemental Dolly Varden spawning area. M.S. thesis. University of Idaho. Moscow.
- Heinz, Guenter (Tech. Ed.) 1996 unpubl. Boreal Owl (*Aegolius funereus*). Kootenai National Forest. Libby, MT. 3 pp.
- Heinz, Guenter (Tech. Ed.) 1996 unpubl. Goshawk (*Accipiter gentilis*). Kootenai National Forest. Libby, MT. 4 pp.
- Hensler, M. and J. Huston. 1996. A genetic survey of lakes in the Cabinet Wilderness Area and proposed inland rainbow trout recovery. A Report to the U.S. Fish and Wildlife Service. Montana Fish, Wildlife, and Parks. Kalispell, MT.
- Hensler, M.E. and C.C. Muhlfeld. 1999. Spawning ecology of redband trout in Basin Creek, Montana. A Report to the Whirling Disease Foundation. Montana Fish, Wildlife and Parks, Bozeman, MT.
- Hensler, M.E., J.E. Huston and G. K. Sage. 1996. A Genetic Survey of Lakes in the Cabinet Wilderness Area and Proposed Inland Rainbow Trout Recovery. Montana Fish Wildlife and Parks, Kalispell, MT.
- Hildebrand, L. and S. McKenzie. 1994. Status of white sturgeon in the Columbia River, B.C. Final Report. Prepared for BC Hydro, Environmental Affairs. R. L. & L. Environmental Services Ltd. Vancouver, B.C.

- Hodorff, R.A., C.H. Sieg and R.L. Linder. 1988. Wildlife response to stand structure of deciduous woodlands. *Jour. Wildl. Manage.* 52(4):667-673.
- Hoffman, G., D. Skaar, S. Dalbey, J. DeShazer, L. Garrow, T. Ostrowski, J. Dunnigan, and B. Marotz. 2002. Instream Flow Incremental Methodology Kootenai River, Montana Fish, Wildlife & Parks. Libby, MT.
- Holderman, C.E. and R. Hardy (Eds.) 2004. Kootenai River Ecosystem Project: an Ecosystem Approach to Evaluate and Rehabilitate a Degraded, Large Riverine Ecosystem. Final Report to Bonneville Power Administration. Project Number 1994-049-00 Contract Number 00004029. Portland, OR.
- Holling, C. S., editor. 1978. Adaptive environmental assessment and management. John Wiley, New York, New York, USA.
- Holling C.S. 1981. Forest insects, forest fires, and resilience. In *Fire Regimes and Ecosystem Properties*. Proc. Conf. Gen. Tech. Rep. WO-26, ed. HA Mooney, TM Bonnicksen, NL Christensen, JE Lotan, WA Reiners, pp. 445–63. Washington, DC.
- Holton, G.H. 1980. Fishes of special concern. *Montana Outdoors* 11(1): 2-6.
- Hopkins, G. and G. Lester. 1995. Kootenai River macroinvertebrate bioassessment and a watershed history. Kootenai Tribe of Idaho.
- Hoyle, G. M. 2003. Responses of periphyton, benthic macroinvertebrates, and juvenile white sturgeon to experimental additions of nitrogen and phosphorous in the Kootenai River, Idaho. Master's thesis. University of Idaho.
- Hume, Jeremy M.B., Ken S. Shortreed, and Ken Morton 1996. Juvenile sockeye rearing capacity of three lakes in the Fraser River system. *Can. J. Aquat. Sci.* Vol. 53: 719-733
- Hunter, M.L. 1990. *Wildlife, forests, and forestry*. Prentice-Hall. Englewood Cliffs, NJ. 370 p.
- Huntzinger, T.L. 1995. Surface water: a critical resource of the Great Plains. Pp253-273 in E.L. Knopf and F.B. Samson eds. *Ecology and conservation of Great Plains Vertebrates*. Springer, New York. 320p.
- Huston, J. E. 1995. A report on the Kootenai River drainage native species search for the U.S. Fish and Wildlife Service. Montana Fish, Wildlife, and Parks, Kalispell.
- Huston, J. E., P. Hamlin and B. May. 1984 Lake Kooconusa Investigations – Final Report 1972-1983. Montana Department of Fish, Wildlife and Parks – Region 1 in cooperation with Seattle District USACOE.
- IBIS. 2003. Northwest Habitat Institute Interactive Biodiversity Information System Website query at <http://www.nwhi.org/ibis/subbasin/home.asp>.
- Idaho Partners in Flight. 2000. Idaho bird conservation plan, version 1.0. Hamilton, MT. 167 pp.
- IDEQ (Idaho Department of Environmental Quality), in litt. 1998. State of Idaho 303(d) list.
- IDFG (Idaho Department of Fish and Game), in litt. 1998a. Comments to U.S. Fish and Wildlife Service regarding petition to list westslope cutthroat trout as threatened under the Endangered Species Act.
- IDFG (Idaho Department of Fish and Game), in litt. 1998b. Fishing Regulations.

REFERENCES

- IDFG, in litt. 1998c. Stocking records for the Panhandle of northern Idaho, on disc.
- IDFG, in litt. 1998d. Letter to the U.S. Forest Service regarding the Blue Grass Bound Environmental Assessment.
- IDFG, in litt. 1999. Letter to Federal Energy Regulatory Commission regarding preliminary permit application for the Boundary Creek Water Power Project.
- IDFG. 2000. Fisheries losses and mitigation proposal for the Kootenai River as a result of the operation and indirect habitat changes due to Libby Dam.
- Idyll, C.P. 1941. An Outline of the Kokanee Problem. (Internal IPSC manuscript) International Pacific Salmon Commission, Department of Fisheries and Oceans Vancouver BC 18 pp. In Review.
- International Conference of Sturgeon Biodiversity and Conservation (ICSBD). 1994, The Hudson River Foundation, American Museum of Natural History. July 28-30 New York, NY.
- IPNF. 1991. West Moyie Final Environmental Impact Statement, Idaho Panhandle National Forest. Coeur d'Alene, ID.
- Ireland, S.C. 2000. Hatchery and Genetics Management Plan for the Kootenai River White Sturgeon. Prepared for the Northwest Power Planning Council, Portland, OR.
- Ireland, S.C. 2003. Kootenai River White Sturgeon Studies and Conservation Aquaculture. FY2002 Annual Report. Project 198806400. Prepared for Bonneville Power Administration, Portland OR. 112 pp.
- Ireland, S.C., P. J. Anders, R. C. P. Beamesderfer, and J. T Siple. 2003. An Adaptive Conservation Aquaculture Program for Endangered Kootenai River White Sturgeon: Past, Present, and Future. Pages - In: Proceedings of the Cultured Fishes Symposium. Western Division AFS Mtg. Boise, ID. June 2003.
- Ireland, S. C., P. J. Anders, and J. T. Siple. 2002a. Conservation aquaculture: an adaptive approach to prevent extinction of an endangered white sturgeon population. American Fisheries Society Symposium 28:211-222.
- Ireland, S. C., J. T. Siple, R. C. P. Beamesderfer, V. L. Paragamian, and V. D. Wakkinen. 2002b. Success of hatchery-reared juvenile white sturgeon (*Acipenser transmontanus*) following release in the Kootenai River, Idaho. Journal of Applied Ichthyology (18) 642-650.
- ISAB. 1997. Ecological impacts of the flow provisions of the Biological Opinion for endangered Snake River salmon on resident fishes in the Hungry Horse, and Libby systems in Montana, Idaho, and British Columbia. Independent Scientific Advisory Board.
- Jamieson, B. and G. Allen 1997. Elk Valley Riparian Assessment. For: Columbia Basin Fish and Wildlife Compensation Program, Nelson, B.C.
- Jamieson, B. and I.A. Ohanjanian. 1993. A Land Management Strategy for Wildlife in the East Kootenay Trench. Wildlife Branch, Cranbrook office, Ministry of Environment, Lands and Parks.
- Jamieson, B. and J. Braatne. 2001. The Impact of flow regulation on riparian cottonwood ecosystems in the Columbia Basin. For: North West Power Planning Council and Bonneville Power Administration, Portland OR.

- Jamieson, B., E. Peterson, M. Peterson and I. Parfitt. 2001. The conservation of hardwoods in the Columbia Basin. For: Columbia Basin Fish and Wildlife Compensation Program. Available at: cbfishwildlife.org.
- Jamieson, B. 2002. Natural resource values and compensation issues in the area of interest for a National Park Reserve in the south east corner of the Flathead drainage in B.C. For: Parks Canada, Mountain Region, Banff, Alta.
- Jankovsky-Jones, M. 1997. Conservation strategy for Northern Idaho wetlands. Idaho Department of Fish and Game. Boise, ID. 35 pp.
- Jeppson, P. 1960a. Evaluation of spawning of kokanee and trout in Lake Pend Oreille and tributary streams in Idaho, June 1, 1959 to May 31, 1960. Annual Summary Report. Investigations Project. Idaho Department of Fish and Game. Boise, ID.
- Jeppson, P. 1960b. Federal Aid to Fish Restoration. Final Report. Project F 3-R-9. Evaluation of kokanee and trout spawning areas in Pend Oreille Lake and tributary streams: Biological and economic survey of fishery resources in Lake Pend Oreille. Idaho Department of Fish and Game. Boise, ID.
- Johnson, C.W., R.L. Burgess and W.R. Keammerer. 1976. Forest overstory vegetation and environment on the Missouri river floodplain in North Dakota. *Ecol. Monogr.* 46: 59-84.
- Johnson, D.H. and A.O. Thomas. No date. Wildlife-habitat relationships in Oregon and Washington: Building a common understanding for management. Project Briefing Paper. Unpublished. Corvallis, OR. Northwest Habitat Institute. 20 pp.
- Johnson, O. W. 1969. Flathead and Kootenay, the rivers, the tribes, and the regions' traders. The Arthur H. Clark Company. Glendale, CA.
- Johnson, S. 2000. Personnel communication with Scott Soult. U.S. Agricultural Department, Forest Service. Bonners Ferry, ID. September 2000.
- Johnson, T. 1981. Biotope changes and life cycle of *Lota lota* in the Bothnian Sea and a coastal river. *Oesterriechische Fischereiverband* 34: 6-9.
- Johnson, Wayne. 1999. Sensitive Species Status Summary: Kootenai National Forest, USFS, KNF. Libby, MT.
- Jolly, David F. 1994. Update of Northern Region Sensitive Species List (1994). Internal 2670 Memo. USDA, USFS, Northern Region. Missoula, MT. 14 pp.
- Jones, D. R., J. W. Kiceniuk, and O. S. Bamford. 1974. Evaluation of the swimming performance of several fish species from the Mackenzie River. *Journal of the Fisheries Research Board of Canada* 31:1641-1647.
- Jones, W.M. and D. Paul Hendricks 2000. Ecological Inventory of Wetland Sites in the Thompson-Fisher Conservation Easement. A Report Prepared for the Montana Fish, Wildlife & Parks. Helena, MT.
- Jungen, J.R. 1980. Soil Resources of the Nelson Map Area. R.A.B. Bull. 20. (Soil Survey Report No. 28.) Resource Analysis Branch, B.C. Min. Environ., Kelowna, B.C.
- Junk, W. J., P. B. Bayley, and R. E. Sparks. 1989. The flood pulse concept in river-floodplain systems. Special Publication, *Canadian Journal of Fisheries and Aquatic Sciences* 106: 110-127.

REFERENCES

- Karr, J. R., and I. J. Schlosser. 1978. Water resources and the land-water interface. *Science* 201:229-234.
- Kasun, B. USFS, in litt. 1992a. Stream condition breakdown.
- Kasun, B. USFS, in litt. 1992b. Riffle armor stability index data, Idaho Panhandle National Forests.
- Kempinger, J. J. 1996. Habitat, growth, and food of young lake sturgeons in the Lake Winnebago System, Wisconsin. *North American Journal of Fisheries Management* 16 (1):102-114.
- Kennedy, C. E. 1977. Wildlife conflicts in Riparian Management: Water. In: Importance, Preservation and Management of Riparian Habitat. USDA Forest Service General Technical Report RM-43. Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO. pp. 52-58.
- Khodorevskiyaya, R. P., G. F. Dovgopol, O. L. Zhuravleva, and A. D. Vlasenko. 1997. Present status of commercial stocks of sturgeons in the Caspian Sea basin. *Environmental Biology of Fishes* 48:209-219.
- Kincaid, H. 1993. Breeding plan to preserve the genetic variability of the Kootenai River white sturgeon. U. S. Fish and Wildlife Service report (Project 93-27) to Bonneville Power Administration. Portland, OR.
- Kinnee, P., P. Anders and S.V.L. Laboratories. 1995. Interim report of Kootenai River Water Quality: May 1994 to February 1995.
- King, H. 2003, Lifelong Boundary Co. resident, written during May, 2003.
- King, J.G. 1989. Streamflow responses to road building and harvesting: a comparison with the Equivalent Clearcut Area Procedure. USDA-Forest Service, Intermountain Research Station. INT-401, 13 pp.
- Kirkham, V.R.D., and E.W. Ellis. 1926, Geology and Ore Deposits of Boundary County, Idaho; Idaho Geological Survey Bulletin 10, 78 pp., 2 Plates.
- Kjelstrom, L. C. and R. L. Moffatt. 1981. A Method of Estimating Flood-Frequency Parameters for Streams in Idaho. Open File Report 81-909, U. S. Geological Survey. Sept. 1981.
- Kleindopf, M. Dean. 1997. Geophysical Interpretations of the Libby Thrust Belt, Northwestern Montana. USGS Professional Paper 1546.
- Knudsen, K. L., C. C. Muhlfeld, G. K. Sage, and R. F. Leary. 2002. Genetic structure of Columbia River redband trout populations in the Kootenai River drainage, Montana, revealed by microsatellite and allozyme loci. *Transactions of the American Fisheries Society* 131:1093-1105.
- Knudsen, K. L., C. C. Muhlfeld, G. K. Sage, and R. F. Leary. 2002. Redband Trout Populations in the Kootenai River Drainage, Montana, Revealed by Microsatellite and Allozyme Loci. *Transactions of the American Fisheries Society* 131:1093-1105, 2002
- Knudson, Ken. 1994. Water quality status report: Kootenay (Kootenai) River Basin British Columbia, Montana and Idaho. Kootenai River Network. Libby, MT. and Ecological Resource Consulting, Helena, MT. 57 pp.
- Kock, T.J. 2004. Effects of Sedimentation and Water Velocity on White Sturgeon (*Acipenser Transmontanus*) Embryo Survival. MS Thesis. University of Idaho, Moscow. 66 pp.

KVRI Burbot Committee. 2004. Kootenai River/Kootenay Lake Burbot Conservation Strategy (Draft). Prepared by Kootenai Tribe of Idaho in cooperation with the KVRI Burbot Committee. Bonners Ferry, ID.

Kootenai River Network (KRN). 2000. Comprehensive water quality monitoring plan for the Kootenai River Basin British Columbia, Montana, and Idaho. Report prepared for Kootenai River Network by Century West Engineering, Aqua-Tex, Scientific Consulting, Ltd., Summit Environmental, and EcoAnalysts, Inc. Libby, MT.

KRN. 2003. Kootenai River Network website: <http://www.kootenairivernetwork.org/basin/history.shtml>

Kootenai Tribe of Idaho (KTOI) 2004. Ireland, S.C., P. J. Anders and Ray C. P. Beamesderfer eds. An Adaptive Multidisciplinary Conservation Aquaculture Plan for Endangered Kootenai River White Sturgeon. Hatchery Management Plan prepared by the Kootenai Tribe of Idaho with assistance from S. P. Cramer and Associates. 51 pp.

KTOI and Kruse, G.O. 2001. Trout Creek Biological Assessment: 2001. A report prepared for the Bonneville Environmental Foundation, Portland, OR.

KTOI and Kruse, G.O. 2004a. Trout Creek Monitoring: 2002 Interim Report. A report prepared for the Bonneville Environmental Foundation, Portland, OR.

KTOI and Kruse, G.O. 2004b. Parker Creek Biological Assessment: 2002. A report prepared for the Bonneville Environmental Foundation, Portland, OR.

Korman, J., and C. J. Walters. 1999. Summary of the Kootenai River Adaptive Environmental Assessment modeling exercise. Prepared for the Kootenai Tribe of Idaho. Ecometric Research Inc. Vancouver, B.C., Canada.

Korman, J., C. J. Perrin, and R. C. Wiegand. 1990. The feasibility of fertilization of Kootenay Lake, North Arm. Limnotek Research and Development Inc. Prepared for B.C. Ministry of Environment, 108 pp.

Koterba, W. D., and J. R. Habeck. 1971. Grasslands of the North Fork Valley, Glacier National park, Montana. Canadian Journal of Botany 49: 1627–1636.

Kouril, J., O. Linhart, K. Dubsky, and P. Kavasnicka. 1985. The fertility of female and male burbot (*Lota lota* L.) reproduced by stripping. Papers of the Vodnany Research Institute of Fishery and Hydrobiology 14: 75-79.

Krishna, J.H., J.G. Arnold and C.W. Richardson. 1988. Modeling agricultural, forest and rangeland hydrology. Proceedings of the 1988 Symposium. American Society of Agricultural Engineers Publication 07-88. St. Joseph, Michigan. Pp324-329.

Kroneld, R. 1976. Phase shift in swimming activity in the burbot (*Lota lota*) (Pices, Gadidae) at the Arctic Circle. Physiological Zoology 49:49-55.

Kruse, G. O. 2000. The effects of contaminants on reproduction, embryo development, and related physiological processes in Kootenai River white sturgeon, *Acipenser transmontanus*. Masters thesis. University of Idaho. Moscow, ID.

Kruse, G. O. 2003. 2001 Kootenai River macroinvertebrate contaminant study. Report prepared for Kootenai Tribe of Idaho, Bonners Ferry, ID.

REFERENCES

- Kruse, G. O. In Press. Kootenai River white sturgeon contaminant studies: Interim Report. Report prepared for Kootenai Tribe of Idaho, Bonners Ferry, ID.
- Kruse, G. O. and D. Scarnecchia. 2002. Contaminant uptake in Kootenai River white sturgeon embryos during exposure to differing rearing media. Pages 151-160, In: W. Van Winkle, P. Anders, D. Dixon, and D. Secor, eds. *Biology, Management and Protection of North American Sturgeons*. American Fisheries Society Press, Bethesda, MD, USA.
- Kruse, G. O. and D.L. Scarnecchia. 2002a. Biomarker assessment of bioaccumulated metal and organochlorine compounds in Kootenai River white sturgeon. *Journal of Applied Ichthyology* 18:1-9.
- Kruse, G. O. and D.L. Scarnecchia. 2002b. Contaminant uptake and survival of white sturgeon embryos. *American Fisheries Society Symposium* 28:151-160.
- Kryhtin, M.L. and V. G. Svirskii. 1997. Endemic sturgeons of the Amur River: kaluga, *Huso dauricus*, and Amur sturgeon *Acipenser baerii*. *Environmental Biology of Fishes* 48:221-230.
- Kuennen, L.J. and Nielsen-Gerhardt, M.L. 1995. Soil survey of Kootenai National Forest area, Montana and Idaho: Washington D.C., U.S. Department of Agriculture Forest Service, 118 p.
- Kynard, B. 1997. Life history, latitudinal patterns, and status of shortnose sturgeon, *Acipenser brevirostrum*. *Environmental Biology of Fishes* 48:319-334.
- Lacelle, L.E.H. 1990. Biophysical resources of the East Kootenay area: soils. Wildlife. Technical Monograph TM1. B.C. Min. Environ., Wildlife Branch, Victoria, B.C.
- Lafferty, R., J. F. Parker, and D. R. Bernard. 1992. Stock assessment and biological characteristics of burbot in lakes of interior Alaska during 1991. Alaska Department of Fish and Game Fishery Data Series 92-20. 71 pp.
- LaPatra, S. E., S. C. Ireland, J. M. Groff, K. M. Clemens, and J. T. Siple. 1999. Adaptive disease management strategies for the endangered population of Kootenai River white sturgeon. *Fisheries* 24(5): 6-13.
- Larkin, G.A. 1998. Kootenay Lake phosphorus loading from the Kootenay and Duncan Rivers. Report prepared for the Columbia Basin Fish and Wildlife Compensation Program, 26 pp.
- Larkin, P.A. 1950. Summary of investigation conducted by the Fisheries Research Group, attached to the British Columbia Game Department, in 1949. Annual Report of the British Columbia Game Commission for 1949, pp 55-61.
- Lawler, G.H. 1963. The biology and taxonomy of the burbot, *Lota lota*, in Heming Lake Manitoba. *Journal of the Fisheries Research Board of Canada* 29: 417-433.
- Layser, E.F. 1980. Flora of Pend D'Oreille County, Washington. Washington State University, Pullman.
- Lea, E.C. 1984. Biophysical resources of the East Kootenays area: vegetation. Vol. 1. MOE Tech. Rep. 5. Surveys and Resource Mapping Branch. B.C. Min. Environ., Victoria, B.C.
- Lea, E.C., B.L. Fuhr, and L.E.H. Lacelle. 1988. Grizzly bear habitat of the Flathead River area: expanded legend. Wildlife Working Report WR- 38. B.C. Min. Environ., Wildlife Branch, Victoria, B.C. 24p. B.C. Min. For., Research Branch, Victoria, B.C.

- Lea, E.C., D.A. Demarchi, and L.E.H. Lacelle. 1991. Biophysical analysis of the Sheep Mountain Wildlife area. Wildlife Bulletin No. B-66, B.C. Min. Environ., Wildlife Branch, Victoria, B.C.
- Leary R. 1997. University of Montana report to Doug Perkinson, Kootenai National Forest, April 17, 1997.
- Leary, R.F, F.W. Allendorf, and K. G. Sage. 1991. Genetic analysis of trout populations in the Yaak River Drainage, Montana. Wild trout and salmon genetics laboratory report 91/3. University of Montana, Missoula.
- Leavell, D.M. 2000. Vegetation and process of the Kootenai National Forest. Dissertation Abstracts, catalog #9970-793, vol. 61-04B, starting on page 1744, Ann Arbor, MI. 508 pp.
- Lee, D.C., JR. Sedell, B.E. Reiman, R.F. Thurow, J.E. Williams. 1997. Broadscale assessment of aquatic species and habitats. In T.M. Quigley and S.J. Arbelbide, eds. An Assessment of Ecosystem Components in the Interior Columbia Basin and portions of the Klamath and Great Basins. U.S. Forest Service General Technical Report PNW-GTR, Portland, OR.
- Lesica, P. 1986. Unpubl. Report on the Proposed Dancing Prairie Preserve. The Nature Conservancy, Helena, MT.
- Lesica, P. 1997 Demography of the endangered plant, *Silene spaldingii* (Caryophyllaceae) in northwest Montana. *Madroño* 44: 347–358.
- Li, H.W. and P.B. Moyle. 1981. Ecological analysis of species introductions into aquatic systems. *Transactions of the American Fisheries Society* 110:772-782.
- Ligon, F.K., Dietrich, W.E. and W.J. Trush. 1995. Downstream ecological effects of dams: a geomorphic perspective. *Bioscience* 45(3): 183-192.
- Lindsey, C.C. 1956. Distribution and taxonomy of fishes in the Mackenzie drainage in British Columbia. *J. Fish. Res. B. of Can.* 13: 759-789.
- Link, P. K. 2002. Boundary County Geology. Idaho Geologic Survey.
- Living Landscapes. 2003. Royal BC Museum Website: <http://www.livinglandscapes.bc.ca/cbasin/history/physicalstructure.htm>
- Long, M.H. 1997. Sociological implications of bull trout management in northwest Montana: illegal harvest and game warden efforts to deter. In: W.C. Mackay, M.K. Brewin, and M. Monita, editors. Friends of the bull trout conference proceedings, Bull Trout Task Force (Alberta), c/o Trout Unlimited Canada, Calgary. p. 71-74.
- Long, M.H. 1997. Sociological implications of bull trout management in northwest Montana: illegal harvest and game warden efforts to deter. In: W.C. Mackay, M.K. Brewin, and M. Monita, editors. Friends of the bull trout conference proceedings, Bull Trout Task Force (Alberta), c/o Trout Unlimited Canada, Calgary. p. 71-74.
- Longhurst, A. 1998. Cod: Perhaps if we all stood back a bit. *Fisheries Research* 38(1998): 101-108.
- Losensky, J.B. 1993. Historical vegetation in Region One by climatic section. Unpublished USDA Forest Service resource report. Region One, Missoula, MT.

REFERENCES

- MacDonald, L. H. and J. A. Hoffman. 1995. Causes of Peak Flows in Northwestern Montana and Northeastern Idaho. *Water Resources Bulletin* 31, no. 1, pp 79-95.
- Mack, C. M., A. M. Soukkala, D. M. Becker and I. J. Ball. 1990. Impacts of regulated water levels on raptors and semiaquatic furbearers in the Lower Flathead Drainage, Flathead Indian Reservation, Montana. Montana Cooperative Wildlife Research Unit. University of Montana, Missoula, MT. 225 pp.
- Mackey, D.L., S.K. Gregory, W.C. Matthews, J.J. Claar, and I.J. Ball. 1987. Impacts of water levels on breeding Canada geese and methods for mitigation and management in the southern Flathead Valley, Montana. Final Report. Project No. 83-2. Bonneville Power Administration. Portland, OR. 162 pp.
- Magnin, E., and C. Fradette. 1977. Croissance et regime alimentaire de la lotte, *Lota lota* (Linnaeus, 1758), dans divers lacs and rivieres du Quebec. *Naturaliste Canadien* 104:207-222.
- Maj, M. 1996. Summary of Goshawk Information from the Forest Service Northern Region: Kootenai National Forest. DRAFT unpublished. 2 pp.
- Makepeace, S.V. 2000. Nonpoint source assessment for streams, rivers, lakes and wetlands, Flathead Indian Reservation, Montana. Confederated Salish and Kootenai Tribes, Water Management Program, Pablo, MT. 87 pp.
- Mallet, J.L. 1969. Clark Fork River fishery investigations, 1966-1969. State of Idaho Fish and Game Department. Boise, ID.
- Marcuson, P. 1994. Kootenai River White Sturgeon Investigations. Annual Progress Report FY1993. Idaho Department of Fish and Game. Prepared for US Department of Energy, Bonneville Power Administration. Project No. 88-65. Portland, OR.
- Marcuson, P. G. Kruse, and V. D. Wakkinen. 1994. Kootenai River white sturgeon investigation. Idaho Department of Fish and Game. Bonneville Power Administration, Annual Progress Report, Project 88-65, Boise, ID.
- Marlow, Clayton, B. and Thomas M. Pogacnik. 1985. Time of grazing and cattle-induced damage to streambanks. In: *Riparian ecosystems, and their management: reconciling conflicting uses*. R. Roy Johnson, Charles D. Ziebell, David R. Patton, Peter F. Ffolliott, and R. H. Hamre (technical coordinators). [First North American riparian conference, April 16-18, Tucson, AZ.] USDA Forest Service General Technical Report RM-120. Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.
- Marotz, B. and J. Fraley. 1986. Instream flows needed for successful migration, spawning, and rearing of rainbow and westslope cutthroat trout in selected tributaries of the Kootenai River. Final Report FY 1986. Prepared for the Bonneville Power Administration. Portland, OR.
- Marotz, B. and J. DosSantos. 1993. Fisheries losses attributable to reservoir drawdown in excess of limits stated in the Columbia Basin Fish and Wildlife Program: Hungry Horse and Libby Dams. Montana Fish, Wildlife & Parks and Confederated Salish and Kootenai Tribes.
- Marotz, B. and nine other authors. 2000. Kootenai River Subbasin Summary. Prepared for Northwest Power Planning Council, Portland, OR.
- Marotz, B., B. Hansen, and S. Tralles. 1988. Instream flows needed for successful migration, spawning, and rearing of rainbow and westslope cutthroat trout in selected tributaries of the Kootenai River. Final report. Montana Department of Fish, Wildlife, and Parks, Kalispell, MT.

- Marotz, B., C. Muhlfeld and G. Hoffman. 2002. Technical Brief Stable Summer Flows In The Flathead And Kootenai Rivers, Montana. Montana Fish, Wildlife & Parks. Kalispell, MT.
- Marotz, B.L., S.R. Dalbey, C. Muhlfeld, S. Snelson, G. Hoffman, J. DosSantos and S. Ireland. 1998. Fisheries mitigation and implementation plan for losses attributable to the construction and operation of Libby Dam. Montana Fish, Wildlife and Parks, Kalispell, MT., Confederated Salish and Kootenai Tribes, Pablo, Montana, and Kootenai Tribe of Idaho, Bonners Ferry, ID.
- Marotz, G., D. Gustafson, C. Althen, and B. Lonon. 1996. Model development to establish integrated operation rule curves for Hungry Horse and Libby Reservoirs, Montana. Montana Fish, Wildlife and Parks report to Bonneville Power Administration. DOE/BP-92452-1. Portland, OR. 114 pp.
- Marotz, G., D. Gustafson, C. Althen, and B. Lonon. 1999. Integrated operational rule curves for Montana reservoirs and application for other Columbia River storage projects. Ecosystem Approaches for Fisheries Management. Alaska Sea Grant College Program. AK-SG-99-01.
- Martin, A.D. 1976. Kootenay Lake burbot fishery. Unpublished report. British Columbia Fish and Wildlife, Nelson, B.C.
- Martin, A.D. 1984. An Investigation of the Decline in the West Arm Kokanee Fishery of Kootenay Lake, British Columbia 1977-78. Unpub. M.S. on file B.C. Fish and Wildlife Branch, Nelson, B.C. 24 pp.
- Martin, A.D. and T.G. Northcote 1991. Kootenay Lake; An Inappropriate Model for *Mysis relicta* Introduction in North Temperate Lakes. American Fisheries Society Symposium 9:23-29.
- Martin, A.D. and T.G. Northcote 1991. Kootenay Lake; An Inappropriate Model for *Mysis relicta* Introduction in North Temperate Lakes. American Fisheries Society Symposium 9:23-29.
- Maxell, B.A. 1999. A power analysis on the monitoring of bull trout stocks using redd counts. North American Journal of Fisheries Management 19:860-866.
- May B. and J. E. Huston 1975. Kootenai River fisheries investigations, Phase 2, Part 1. Montana Dept. Fish and Game Fisheries Division. Libby, MT. 28 pp.
- May B. and J. E. Huston 1983. Fisheries investigations. July 1972-September 1982. In: Kootenai River Fisheries Investigations: Final Completion Report. Montana Fish, Wildlife and Parks. Libby, MT.
- Mayden, R. 2001. Species delineation in sturgeons: Theoretical, philosophical, methodological, empirical, and ethical considerations. In: Proceedings of the Fourth International Symposium on Sturgeons, Oshkosh, Wisconsin, USA, 8-13, July, 2001.
- MBTRT (Montana Bull Trout Restoration Team). 1998. Draft restoration plan for bull trout in the Clark Fork River basin and Kootenai River basin Montana. Montana Fish, Wildlife and Parks, Helena, MT. September 1998.
- MBTRT. 2000. Restoration plan for bull trout in the Clark Fork River basin and Kootenai River basin Montana. Montana Fish, Wildlife and Parks, Helena, MT.
- MBTSG. 1996a. Middle Kootenai River drainage bull trout status report. Prepared for the Montana Bull Trout Restoration Team. Montana Department of Fish, Wildlife and Parks, Helena, MT.

REFERENCES

- MBTSG. 1996b. Lower Kootenai River drainage bull trout status report. Prepared for the Montana Bull Trout Restoration Team. Montana Department of Fish, Wildlife and Parks, Helena, MT.
- MBTSG. 1996c. Upper Kootenai River drainage bull trout status report. Prepared for the Montana Bull Trout Restoration Team. Montana Department of Fish, Wildlife and Parks, Helena, MT.
- MBTSG (Montana Bull Trout Scientific Group). 1996d. Assessment of methods for removal or suppression of introduced fish to aid in bull trout recovery. Prepared for the Montana Bull Trout Restoration Team. Montana Department of Fish, Wildlife and Parks, Helena, MT.
- MBTSG. 1998. The relationship between land management activities and habitat requirements of bull trout. Prepared for the Montana Bull Trout Restoration Team. Montana Department of Fish, Wildlife and Parks, Helena, MT.
- McCabe, G. T. and C. A. Tracy. 1993. Spawning characteristics and early life history of white sturgeon *Acipenser transmontanus* in the lower Columbia River. Report A. Pages 18-46 in R. C. Beamesderfer and A. A. Nigro editors. Status and habitat requirements of the white sturgeon populations in the Columbia River downstream from McNary Dam. Vol. 1. Final Report to the Bonneville Power Administration, Project No. 86-50. Portland, OR.
- McCart, P. 1967. Behavior and ecology of sockeye salmon fry in the Babine River. *J. Fish. Res. Board Can.* 24:375-428.
- McCrimmon, H. R. 1959. Observations of burbot spawning in Lake Simcoe, Ontario. *Journal of Wildlife Management* 23:447-449.
- McCrimmon, H.R. and D.E. Devitt. 1954. Winter studies on the burbot, *Lota lota lacustris*, of Lake Simcoe, Ontario. *Canadian Fish-Culturist* 16: 34-41.
- McCullough, Deborah G., Richard A. Werner, And David Neuman. 1998. Fire and Insects in Northern and Boreal Forest Ecosystems of North America *Annu. Rev. Entomol.* 1998. 43:107-27.
- McDonald, J. and J.M. Hume 1984. Babine Lake sockeye salmon (*Oncorhynchus nerka*) enhancement program: testing some major assumptions. *Can. J. Fish Aquat. Sci.* 41: 70-92.
- McIntyre, J. W. 1988. *The Common Loon: Spirit of Northern Lakes*. University of Minnesota Press, Minneapolis. pg. 11 - IN: Dolan, Patricia M. 1994. *The Common Loon (Gavia immer) in the Northern Region: Biology and Management Recommendations*. USDA USFS Region 1. Lolo NF. Missoula, MT. 76 pp.
- McMullin, S.L. 1979. The food habits and distribution of rainbow and cutthroat trout in Lake Koocanusa, Montana. M.S. Thesis. University of Idaho. Moscow, ID.
- McPhail, J. D. 1995. A review of burbot (*Lota lota*) life history and habitat use in relation to compensation and improvement opportunities. British Columbia Ministry of Environment, Vancouver, B.C.
- McPhail, J.D. 1997. A review of burbot (*Lota lota*) life history and habitat use in relation to compensation and improvement opportunities.
- McPhail, J. D. and J. S. Baxter. 1996. A review of bull trout (*Salvelinus confluentus*) life history and habitat use in relation to compensation and improvement opportunities. Fisheries management report, ISSN 0705-5390 ; no. 104. Issued by Fisheries Branch. British Columbia Ministry of Environment, Lands and Parks.

- McPhail, J.D. and R. Carveth 1992. A Foundation for Conservation: the nature and origin of the freshwater fish fauna of British Columbia. Rept. To the Habitat Conservation Fund, Ministry of Environment, Lands and Parks, Victoria, B.C. 39 p.
- McPhail, J.D. and V.L. Paragamian. 2000. Burbot biology and life history *In* V.L. Paragamian and D.W. Willis editors, Burbot: Biology, Ecology and Management. American Fisheries Society Fisheries Mangement Section publication Number 1.
- MDEQ (Montana Department of Environmental Quality). 2003. Draft Montana 303 (d) list. A compilation of impaired and threatened waters in need of restoration. Montana Department of Environmental Quality, Planning, Prevention and Assistance Division, Resource Protection Planning Bureau, Helena, MT.
- Meehan, W. R., F. J. Swanson, and J. R. Sedell. 1977. Influences of riparian on aquatic ecosystem with particular reference to salmonid fishes and their food supply. In: Importance, Preservation and Management of Riparian Habitat. USDA Forest Service General Technical Report RM-43:137-143. Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.
- Meidinger, D. and J. Pojar. 1991. Ecosystems of British Columbia Special Report Series: No. 6. BC Ministry of Forestry.
- Meshkov, M. M. 1967. Developmental stages of the burbot (*Lota lota* (L.)). *Voprosy Ikhtiologii i Gidrobiologii Vodmenov* 62: 181-194. (in Russian, English translation in Zoology Reprint Library, University of Toronto).
- MFWP (Montana Fish, Wildlife and Parks) 1999 and 2000. Kootenai Management Report. Libby, MT.
- MFWP. 1983. Kootenai River fisheries investigations. Final completion report. Sponsored by U.S. Army Corps of Engineers. MFWP, Kalispell, MT.
- MFWP. 1991. Dewatered streams list (revised). Helena, MT.
- MFWP. 1992. Montana statewide angling pressure 1991. Helena, MT.
- MFWP. 1994. Montana statewide angling use data 1993–1994. Helena, MT.
- MFWP. 1994. Management of black bears in Montana. Montana Fish, Wildlife and Parks, Helena, MT. 184 pp.
- MFWP. 1996. Management of mountain lions in Montana. Montana Fish, Wildlife and Parks, Helena, MT. 138 pp.
- MFWP. 1997. Fisheries losses attributable to reservoir drawdown in excess of limits stated in the Columbia Basin fish and wildlife program: Hungry Horse and Libby Dams. Draft report. MFWP, Kalispell, MT.
- MFWP. 1998. Deer population objectives and hunting regulation strategies. Montana Fish, Wildlife and Parks, Helena, MT. 58 pp.
- MFWP. 2000. Montana statewide angling pressure 1999. MFWP, Helena, MT.
- MFWP. 2001. Report to the 57th Montana Legislature. MFWP, Helena, MT.
- MFWP. 2002. Database on bull trout redd count for Montana, Helena, MT.
- MFWP. 2002b. Montana Whirling Disease Task Force.

REFERENCES

- MFWP. 2003. Montana gray wolf conservation and management plan. Montana Fish, Wildlife and Parks, Helena, MT. 420 pp.
- MFWP and CSKT (Montana Fish, Wildlife & Parks and Confederated Salish and Kootenai Tribes). 1997. Fisheries Losses Attributable to Reservoir Drawdown in Excess of Limits in the Columbia Basin Fish and Wildlife Program: Hungry Horse and Libby Dams 1991-1993.
- MFWP, CSKT, KTOI (Montana Fish, Wildlife & Parks, Confederated Salish and Kootenai Tribes and Kootenai Tribe of Idaho). 1998. Fisheries mitigation and implementation plan for losses attributable to the construction and operation of Libby Dam. Montana Fish, Wildlife & Parks, Kalispell, MT, Confederated Salish and Kootenai Tribes, Pablo, MT, and Kootenai Tribe of Idaho, Bonners Ferry, Idaho, MT.
- MFWP. 2002a. Comments on the Northwest Power Planning Council's Proposed Mainstem Amendment document 2002-16. Helena, MT.
- Miller, A. I. and L. G. Beckman. 1996. First record of predation on white sturgeon eggs by sympatric fishes. *Transactions of the American Fisheries Society* 125:338-340.
- Miller, D. D. 1970. A life history study of burbot in Boysen reservoir Ring Lake, and Trail lake. Wyoming Game and Fish Commission, Cooperative research Project No. 5, Part 1. Cheyenne.
- Miller, J.R., T.T. Schulz, N.T. Hobbs, K.R. Wilson, D.L. Schrupp, and W.L. Baker. 1995. Changes in the landscape structure of a southeastern Wyoming riparian zone following shifts in stream dynamics. *Biol. Conserv.* 72:371-379.
- Ministry of Forests. 1995. Forest, Range and Recreation Resource Analysis, 1994.
- Monnig, Edward and James Byler. 1992. Forest Health and Ecological Integrity in the Northern Rockies. FPM Report 92-7. USDA Forest Service. Northern Region.
- Montana Bald Eagle Working Group. 1994. Montana Bald Eagle Management Plan. 2nd ed. U.S. Bureau of Reclamation, Montana Projects Office, Billings, Montana. 104pp.
- Morrow, J. E. 1980. The freshwater fishes of Alaska. Alaska Northwest Publishing, Anchorage, AK.
- Mosconi, S. L. and R. L. Hutto. 1982. The effects of grazing on land birds of a western Montana riparian habitat. In: *Wildlife-Livestock Relationships Symposium*. Forest, Wildlife and Range Experiment Station, Moscow, ID: University of Idaho: 221-233.
- Mueggler, W. F. and W. L. Stewart. 1980. Grassland and shrubland habitat types of western Montana. U.S. Forest Service General Technical Report INT-66, Ogden, UT.
- Muhlfeld C.C. 2003. Status of Redband Trout (*Oncorhynchus mykiss gairdnei*) in Montana. Article on the Montana Chapter of the American Fisheries Society Website, 2003.
- Muhlfeld, C. C. 2002. Spawning Characteristics of Redband Trout in a Headwater Stream in Montana. *North American Journal of Fisheries Management* 22:1314-1320,
- Muhlfeld, C. C., D. H. Bennett, and B. Marotz. 2001a. Summer habitat use by Columbia River redband trout in the Kootenai River drainage, Montana. *North American Journal of Fisheries Management* 21:223-235.

- Muhlfeld, C. C., D. H. Bennett, and B. Marotz. 2001b. Fall and winter habitat use and movement by Columbia River redband trout in a small stream in Montana. *North American Journal of Fisheries Management* 21:170–177.
- Muhlfeld, C.C. 1999. Seasonal habitat use by redband trout (*Oncorhynchus mykiss gairdneri*) in the Kootenai River drainage, Montana. Master's thesis. University of Idaho, Moscow, ID.
- Mundinger, J. and C. Yde. 1985. Wildlife and wildlife habitat mitigation plan for Libby Hydroelectric Project. USDE, BPA Project 83-464. Completion Report. 50 pp. plus appendices.
- Murphy, T.P. and M. Munawar 1999. *Aquatic Restoration in Canada* Backhuys Publishers, Leiden, 1999.
- Muth, K. M. 1973. Population dynamics and life history of burbot, *Lota lota* (Linnaeus) , in Lake of the Woods, Minnesota. MS Thesis University of Minnesota.
- Nagy, S. 1985. The food of burbot (*Lota lota*, L.) in the Turiec River. *Zivocisna-vyroba* 30:943-952 (in Czech with an English summary).
- Naiman, R.J., H. Decamps and M. Pollock. 1993. The role of riparian corridors in maintaining regional biodiversity. *Ecol. Appl.* 3(2): 209-212.
- Nakano, S., K. D. Fausch, T. Furukawa-Tanaka, K. Maekawa, and H. Kawanabe. 1992. Resource utilization by bull char and cutthroat trout in a mountain stream in Montana, U. S. A. *Japanese J. of Ichthyology* 39: 211-217.
- Nelichik, V.A. 1979. Morphometric features of the burbot, *Lota lota*, of the Upper Tuloma Reservoir. *Voprosy ikhtiologii*.
- Neufeld, M. D., and C. R. Spence. 2001. A simple decompression procedure to reduce gas bubble trauma in trap caught burbot. Report prepared for the Habitat Conservation Trust Fund and the Bonneville Power Administration by the Ministry of Water, Land, and Air Protection, Nelson, B.C.
- Ney, J.J. 1996. Oligotrophication and its discontents: effects of reduced nutrient loading on reservoir fisheries. *Am. Fish. Soc. Symp.* 16:285-295.
- Nikiforov, S.N., A.V. Zakharov, A.F. Grishin, and M.V. Vyborov. Morphological characterization of burbot, *Lota lota*, of the Poronay River (Sakhalin). *Voprosy ikhtiologii*.
- Northcote, T.G. 1972 Kootenay Lake: man's effects on the salmonid community. *J. Fish. Res. Board Can.* 29: 861-865.
- Northcote, T.G. 1973. Some impacts of man on Kootenay Lake and its salmonids. Great Lakes Fishery Commission, Technical Report Number 25, Ann Arbor, MI.
- Northcote, T.G. 1973. Some Impacts of Man on Kootenay Lake and Its Salmonids. Great Lakes Fisheries Commission Tech. Rep. 25.
- Northcote, T.G. 1991 Success, Problems and Control of Introduced Mysis Populations in Lake and Reservoirs. American Fisheries Society Symposium 9:5-16, 1991.
- Northcote, T.G., D.B. Fillion, S.P. Salter and G.L. Ennis 1999. Interactions of Nutrients and Turbidity in the Control of Phytoplankton in Kootenay Lake British Columbia, Canada, 1964 to 1966 Misc. Fisheries Project Report No. 1 British Columbia

REFERENCES

- Northcote, T.G., D.B. Fillion, S.P. Salter and G.L. Ennis 1999. Interactions of Nutrients and Turbidity in the Control of Phytoplankton in Kootenay Lake British Columbia, Canada, 1964 to 1966. Misc. Fisheries Project Report No. 1. Province of British Columbia.
- Northwest Power Planning Council. 1994. Columbia River Basin fish and wildlife program. NWPPC 94-95. Northwest Power Planning Council, Portland, OR.
- Northwest Power Planning Council. 2000. Columbia River Basin fish and wildlife program: A multi-species approach for decision-making. Council Document 2000-14, Portland, OR.
- NRCS (Natural Resources Conservation Service). 1996. NRCS Website: <http://www.nrcs.usda.gov/programs/farmland/1996/FuncFact.html>.
- NRCS. 2000. United States soil geography: state general soil maps: Montana and Idaho. USDA Natural Resource Conservation Service. Washington, DC.
- NRCS. 2003. Soil Survey of Boundary County Area, Idaho. Unpublished Draft. No. ID601. USDA NRCS. Boise, ID.
- Oliver, G.G. 1979. A final report on the present fisheries of the Wigwam River with emphasis on the migratory life history and spawning behavior of Dolly Varden char *Salvelinus malma*. Fisheries investigations in tributaries of the Canadian portion of Libby Reservoir. Victoria, BC: British Columbia Fish and Wildlife branch. 27p.
- Olmsted, W.R., D. den Biesen, and G.J. Birch. 2001. Migration timing and abundance trends in an adfluvial bull trout population in Kootenay Lake, British Columbia. In: M.K. Brewin, A.J. Paul, and M. Monita, editors. Bull Trout II conference proceedings, Bull Trout Task Force (Alberta), c/o Trout Unlimited Canada, Calgary. p. 159-166.
- Ostrowski, T., B. Marotz, C. Muhlfeld, S. Snelson, and W. Young. 1997. Summary report: Mitigation for excess drawdowns at Hungry Horse and Libby reservoirs. BPA Project 94-10, MFWP 3180-1. Report to the Bonneville Power Administration, Portland. OR.
- Ostrowski, T., S. Snelson, B. Marotz, C. Muhlfeld and W. Young. 1998. Mitigation for excess drawdowns at Libby Reservoir: summary report 1994-1997, draft. Montana Fish, Wildlife and Parks Project No. 94-10. Prepared for the Bonneville Power Administration.
- Palmer, D. E., M. J. Parsley, and L. G. Beckman. 1988. Report C. Pages 101-107 in A. A. Nigro editor. Status and habitat requirements of white surgeon populations in the Columbia River downstream from McNary Dam. Report to Bonneville Power Administration, Project 86-50, Portland, OR.
- Papoulias, D. and M. Fross. 2001. Histopathological assessment of starvation in early life stage Kootenai sturgeon. Report prepared for the Kootenai Tribe of Idaho, Bonners Ferry, ID.
- Paragamian, V. 1994. Kootenai River fisheries investigations: Stock status of burbot and rainbow trout and fisheries inventory. Idaho Department of Fish and Game, Annual Progress Report, FY94, Project No. 88-65, Boise, ID.
- Paragamian, V. 1995. Kootenai River fisheries investigation: Stock status of burbot and rainbow trout and fisheries inventory. Idaho Department of Fish and Game, Annual Progress Report, Bonneville Power Administration Project No. 88-65, Boise, ID.

- Paragamian, V. L. 1993. Kootenai River fisheries inventory: stock status of burbot and rainbow trout and fisheries inventory. Idaho Department of Fish and Game and Bonneville Power Administration, Annual Progress Report, Project 88-65, Boise, ID.
- Paragamian, V. L. and V. Whitman. 1996. Kootenai River fisheries inventory: stock status of burbot. Idaho Department of Fish and Game. Bonneville Power Administration, Annual Progress Report, Project 88-65, Boise, ID.
- Paragamian, V. L., and G. Kruse. 2001. Kootenai River white sturgeon spawning migration behavior and a predictive model. *North American Journal of Fisheries Management* 21, 10-21.
- Paragamian, V. L. and V. Whitman. 1997. Kootenai River fisheries inventory: stock status of burbot. Idaho Department of Fish and Game. Bonneville Power Administration, Annual Progress Report, Project 88-65, Boise, Idaho.
- Paragamian, V. L., G. Kruse and V. D. Wakkinen. 1996a. Kootenai River white sturgeon investigation. Idaho Department of Fish and Game. Bonneville Power Administration, Annual Progress Report, Project 88-65, Boise, ID.
- Paragamian, V. L., G. Kruse, and V. Wakkinen. 1997. Kootenai River fisheries white sturgeon spawning and recruitment evaluation. Annual Report 1997. Idaho Department of Fish and Game and Bonneville Power Administration. Portland, OR.
- Paragamian, V. L., G. Kruse, and V. Wakkinen. 2001 Spawning habitat of Kootenai River white sturgeon, post-Libby Dam. *North American Journal of Fisheries Management* 21:22-33.
- Paragamian, V. L., M. Powell, and J. Faler. 1999. Mitochondrial DNA analysis of burbot *Lota lota* stocks in the Kootenai River Basin of British Columbia, Montana, and Idaho. *Transactions of the American Fisheries Society* 128:854-860.
- Paragamian, V. L., R.C.P. Beamesderfer, and S. C. Ireland. Status, Population Dynamics, and Future Prospects of an Endangered Kootenai River Sturgeon Population with and without Hatchery Intervention. *Transactions of American Fisheries Society*.
- Paragamian, V. L., S. Yundt, J. Hammond, C. Spence, S.C. Ireland, J. Laufle, S. Bettin. 2001. An international recovery strategy for burbot in the Kootenai River and Kootenay Lake, Idaho and British Columbia. Presented at the AFS symposium "Practical Approaches for the Conservation of Inland Native Fishes". June 6-8, 2001. Missoula, MT.
- Paragamian, V. L., V. Whitman, R. J. Hammond, and H. Andrusak. 2000. Collapse of burbot fisheries in Kootenay Lake, British Columbia and the Kootenai River, Idaho. Pages 155-164 in V. L. Paragamian and D. W. Willis, editors. *Burbot: biology, ecology, and management*. American Fisheries Society, Fisheries Management Section, Publication Number 1, Bethesda, MD.
- Paragamian, V., G. Kruse, and V. D. Wakkinen. 1996. Kootenai River fisheries investigations: stock status of burbot and rainbow trout and fisheries inventory. Idaho Department of Fish and Game, Annual Progress Report FY94, Project No. 88-65, Boise, ID.
- Paragamian, V., J. R. Kozfkay, and V. Whitman. 2001. Kootenai River Fisheries Investigation: Stock Status of Burbot. Annual Progress Report January 1, 1999 – March 31, 2000. Idaho Fish and Game Report No. 01-47, Boise, ID.
- Paragamian, V.L. 2000. The effects of variable flows on burbot spawning migrations in the Kootenai River, Idaho, USA, and Kootenay Lake, British Columbia, Canada, after construction of the Libby Dam. Pages 111-123 in V.L Paragamian and D.W. Willis, editors, *Burbot Biology, Ecology, and Management*. Publication Number 1, Fisheries Management Section of the American Fisheries Society, Spokane, WA, USA.

REFERENCES

- Paragamian, V.L. 2002. Changes in the species composition of the fish community in a reach of the Kootenai River, Idaho after construction of Libby Dam. *Journal of Freshwater Ecology* 17(3): 375-383.
- Paragamian, V.L. and D.W. Willis (Eds). 2000. *Burbot Biology, Ecology, and Management*. Publication Number 1, Fisheries Management Section of the American Fisheries Society, Spokane, WA, USA.
- Paragamian, V.L., G. Kruse, and V. Wakkinen. 1995. Kootenai River white sturgeon investigations annual progress report: Chapter 1 Kootenai River white sturgeon spawning and recruitment evaluation. Annual Report 1995. Contract No. DE-BI79-88BP93497.
- Parker, J.F., W.D. Potterville, and D.R. Bernard. 1987. Stock assessment and biological characteristics of burbot in Lakes of interior Alaska during 1986. State of Alaska.
- Parker, J.F., W.D. Potterville, D.R. Bernard. 1988. Stock assessment and biological characteristics of burbot in lakes of interior Alaska. Alaska Dept. of Fish and Game.
- Parnell, S. 1997. Lake Koocanusa creel survey 1996. Columbia Basin Fish and Wildlife Compensation Program, British Columbia Hydro/British Columbia Environment, Nelson, B.C.
- Parsley, M. J., L. G. Beckman, and G. T. McCabe, Jr. 1993. Spawning and rearing habitat use by white sturgeons in the Columbia River downstream from McNary Dam. *Transactions of the American Fisheries Society* 122(2):217-227.
- Parsley, M.J. and L.G. Beckman. 1994. White sturgeon spawning and rearing habitat in the lower Columbia River. *North American Journal of Fisheries Management*. 14:812-827.
- Partridge, F. 1983. Kootenai River fisheries investigations in Idaho. Idaho Department of Fish and Game, Completion Report. Boise, ID.
- Partridge, F. 1981. Kootenai River Fisheries Investigations. Idaho Department of Fish and Game. Job Completion Report. Project F-73-R-5, Boise, ID.
- Paysen, T. E., R. J. Ansley, J. K. Brown, G. J. Gottfried, S. M. Haase, M. G. Harrington, M. G. Narog, S. S. Sackett, R. C. Wilson. 2000. Fire in Western Shrubland, Woodland, and Grassland Ecosystems. USDA Forest Service Gen. Tech. Rep. RMRS-GTR-42-vol. 2. 2000.
- PBTTAT (Panhandle Bull Trout Technical Advisory Team). 1998. Kootenai River Basin bull trout problem assessment. Prepared for the State of Idaho. Boise, ID.
- Percy, R. 1975. Fishes of the outer Mackenzie Delta. Environment Canada, Beaufort Sea Project, Technical Report No. 8, Winnipeg, Ont.
- Perrin, C.J., L. L. Rempel, and M. L. Rosenau. 2003. White sturgeon spawning habitat in an unregulated river: Fraser River, Canada. *Transactions of the American Fisheries Society* 132:154-165.
- Perkinson, R.D. 1993. Presentation to the American Fisheries Society, Montana Chapter, 17 February, 1993.

- Perrin, C. J. 1988. Fertilization of Kootenay Lake West Arm for Salmonid Enhancement: 1987 Monitoring and a Test of Food Limitation. Limnotek Research and Development Inc., contract report for B.C. Ministry of Environment, Nelson, B.C. Conservation Foundation.
- Perrin, C.J. and D. Levy. 1990. Removal of Kokanee from Mortality Sources to increase Fry-to-Adult Survival in the West Arm of Kootenay lake: Monitoring in 1989 and relationships between fry Growth and Zooplankton Abundance, contract report for B.C. Ministry of Environment, Nelson, B.C.
- Perry, S. J. Huston. 1983. Aquatic insect study: October 1979 through June, 1982. In: Kootenai River Fisheries Investigations. Final Completion Report. 1983. US Army Corps of Engineers.
- Peterson, G.R. and I.L. Withler. 1965. Effects of Fish and Game Species of Development of Duncan Dam for Hydro-electric Purposes. BC Fish and Wildlife Branch, Mngt. Publ. 8 72 pp.
- Pfister, R.D., B.L. Kovalchik, S.F. Arno, and R.C. Presby. 1977. Forest habitat types of Montana. U.S. Dep. Agric. For. Serv., Intermtn. For. Range Exp. Stn., Ogden, Utah. Gen. Tech. Rep. INT-34.
- Pieters, R., L. Vidmanic, S. Harris, J. Stockner, H. Andrusak, M. Young, K. Ashley, B. Lindsay, G. Lawrence, K. Hall, A. Eskooch, D. Sebastian, G. Scholten and P.E. Woodruff. 2003. Arrow Reservoir Fertilization Experiment - Year 3 (2001/2002) Report. Fisheries Project Report No. RD 103. Ministry of Water, Land and Air Protection, Province of British Columbia.
- Pitt, M. and T.D. Hooper, 1994. Threats to biodiversity of grasslands in British Columbia. Chapter 20 in L. Harding and E. McCullum (eds.), Biodiversity in British Columbia: our changing environment. Environment Canada.
- Platts, W. S. 1979. Livestock grazing and riparian/stream ecosystems. p. 39-45. In: Proceedings, Forum-Grazing and Riparian/Stream Ecosystems. Trout Unlimited, Inc., Vienna, VA.
- Poff, N. L. and J. V. Ward. 1989. Implications of streamflow variability and predictability for lotic community structure: A regional analysis of streamflow patterns. *Can. J. Fish. Aquat. Sci.* 46(10):1805-1818.
- Pojar, J., K. Klinka, and D.V. Meidinger. 1987. Biogeoclimatic ecosystem classification in British Columbia. *For. Ecol. Manage.* 22:119-154.
- Poll, D.M., M.M. Porter, G.L. Holroyd, R.M. Wershler, and L.W. Gyug. 1984. Ecological land classification of Kootenay National Park, B.C. Vol.II: wildlife resource. Alta. Inst. Pedol. Publ. M-84-10. Univ. of Alta, Edmonton, Alta.
- Prather, Martin L. 1998. Regional Forester's Sensitive Species List Update. Internal 2670 Memo. USDA, USFS, Northern Region. Missoula, MT. 19 pp.
- Pratt, K.L. 1985. Pend Oreille trout and char life history study. Idaho Department of Fish and Game, Boise, ID.
- Pratt, K.L. 1992. A review of bull trout life history. IN: P.J. Howell and D.V. Buchanan (editors). Proceedings of the Gearhart Mountain bull trout workshop. Oregon Chapter of the American Fisheries Society.
- Pratt, K.L. 1996. Bull trout and westslope cutthroat trout in three regions of the lower Clark Fork River between Thompson Falls, Montana and Albeni Falls, Idaho: A discussion of species status and population interaction with appendices describing the life history of both species. Leroy Poff Editor. Prepared for Trout Unlimited, National Office, Idaho Council, and Montana Council. March 1996.

REFERENCES

- Pratt, K.L. 1984a. Pend Oreille trout and char life history study. Idaho Department of Fish and Game. Boise, ID.
- Pratt, K.L. 1984b. Habitat selection and species interactions of juvenile westslope cutthroat trout (*Salmo clarki lewisi*) and bull trout (*Salvelinus confluentus*) in the upper Flathead River basin. Masters Thesis University of Idaho. Moscow, ID.
- Pratt, K.L. and J.E. Huston. 1993. Status of bull trout (*Salvelinus confluentus*) in Lake Pend Oreille and the lower Clark Fork River: DRAFT. Prepared for the Washington Water Power Company, Spokane WA.
- Preble, E.A. 1908. Fishes of the Athabasca-Mackenzie Region. US Biological Survey, North American Fauna 27:502-515.
- Pulliaainen, E. and K. Korhonen. 1993. Does the burbot, *Lota lota*, have rest years between normal spawning seasons? *J. of Fish Biology*.
- Pulliaainen, E., and K. Korhonen. 1990. Seasonal changes in condition indices in adult mature and non-maturing burbot, *Lota lota* (L.), in northeastern Bothnian Bay, northern Finland. *Journal of Fish Biology* 36: 251-259.
- Pulliaainen, E., K. Korhonen, L. Kankaanranta, and K. Maeki. 1992. Non-spawning burbot on the northern coast of the Bothnian Bay. *Ambio* 211: 170-175.
- PWI (Pacific Watershed Institute and Resources). 1999. Kootenai River watershed assessment report. Prepared for the Kootenai Tribe of Idaho. Bonners Ferry, ID.
- Quigley, T.M. and S.J. Arbelbide, ed. An assessment of ecosystem components in the interior Columbia Basin and portions of the Klamath and Great Basins. Volume III. USDA Forest Service General Technical Report PNW-GTR-405. USDA Forest Service Pacific Northwest Research Station, Portland, OR. 1713 pp.
- R.L. & L. Environmental Services, Ltd. 1996. Columbia River sturgeon white sturgeon investigations. 1995 study results. Report prepared for B.C. Hydro, Kootenay Generation, Vancouver B.C. and B. C. Ministry of Environment, Lands, and Parks, Nelson Region. R. L. & L. Report No. 96-377F.
- Rafiq, M. 1980. Lardeau Flats: vegetation resources with interpretations for wildlife management. Working Report. B.C. Min. Environ., Terrestrial Studies Branch, Kelowna, B.C.
- Ratliff, D.E. 1992. Bull trout investigations in the Metolius River - Lake Billy Chinook system. Pages 37-44 in: Howell, P.J. and D.V. Buchanan eds. Proceedings of the Gearhart Mountain bull trout workshop. Oregon Chapter of the American Fisheries Society, Corvallis, OR.
- Redfish Consulting, Ltd. 2003. Survey Results of Select Lakes in the Kamloops Area Inhabited by Kokanee - Year 2 2002. BCCF contract report prepared for the Fisheries Branch of the BC Ministry of Water, Land and Air Protection, Kamloops, B.C.
- Redfish Consulting, Ltd. 1997. Investigation of Burbot in Kootenay Lake. B.C. Fisheries.
- Redfish Consulting, Ltd. 2000. Qualitative assessment of Gerrard rainbow trout fry in selected areas of the Lardeau River in August to September, 2000. Consultant report prepared by Redfish Consulting, Ltd. for the Ministry of Water, Land, and Air Protection, Nelson, B.C.
- Redfish Consulting, Ltd. 2001 Kootenay Lake rainbow trout survey questionnaire results 1998-1999. Contract report for the BC Ministry of Environment, Lands and Parks, Nelson, B.C.

- Redfish Consulting, Ltd. 1988. Investigation of burbot in Kootenay Lake. Consultant report prepared for BC Ministry of Environment, land, and parks, Nelson, B.C.
- Reeves, G.H., K. M. Burnett, and J. R. Sedell. 1995. A disturbance-based ecosystem approach to maintaining and restoring freshwater habitats of evolutionarily significant units of anadromous salmonids in the Pacific Northwest in *Evolution and the Aquatic Ecosystem: Defining unique units in population conservation*. Nielson, J., ed. Symposium 17, American fisheries Society, Bethesda, MD. pp 334-349.
- Reichel, J. and D. Flath. 1995. Identification of Montana's Amphibians and Reptiles. *Montana Outdoors* May/June 1995. MNHP and MFWP. Helena, MT. 20 pp.
- Reichel, J.P. and S.G. Beckstrom. 1993. Northern Bog Lemming Survey 1992. A report to USDA FS Kootenai NF. MNHP, Helena, MT. 84pp.
- Reichel, J.P. and S.G. Beckstrom. 1994. Northern Bog Lemming Survey 1993. A report to USDA FS Kootenai NF. MNHP, Helena, MT. 87pp.
- Reiman, B. E. and J.D. McIntyre. 1993. Demographic and habitat requirements for conservation of bull trout. General Technical Report INT-302, United States Department of Agriculture Forest Service, Intermountain Research Station, Ogden, UT. 37 pp.
- Reiman, B.E. and B. Bowler. 1980. Kokanee Trophic Ecology and Limnology in Pend Oreille Lake Forest, Wildlife and Range Experiment Station University of Idaho.
- Reiman, B.E., and Myers, D.L. 1992 Influence of fish density and relative productivity on growth of kokanee in ten oligotrophic lakes and reservoirs in Idaho. *Trans. Am. Fish. Soc.* 121: 178-191.
- Richards, D. 1997. Kootenai River biological baseline status report. Kootenai Tribe of Idaho. Bonners Ferry, ID.
- Richards, D. 1998. Kootenai River macroinvertebrate investigation. Bonneville Power Administration. Project 94-49, Bonners Ferry, ID.
- Richards, D. 1996. Kootenai River biological baseline status report. U.S. Department of Energy, Bonneville Power Administration, Environment, Fish and Wildlife, Portland, OR.
- Rieman, B. E., and R. C. Beamesderfer. 1990. White sturgeon in the Lower Columbia River: Is the stock overexploited? *North American Journal of Fisheries Management* 10:388-396.
- Rieman, B.E. and J.D. McIntyre. 1993. Demographic and habitat requirements for conservation of bull trout. US Forest Service General Technical Report INT-302. Intermountain Research Station. Boise, ID. US Department of Agriculture.
- Rieman, B.E., and J.D. McIntyre. 1995. Occurrence of bull trout in naturally fragmented habitat patches of varied size. *Transactions of the American Fisheries Society* 124:285-296.
- Rieman, B.E., and J.D. McIntyre. 1996. Spatial and temporal variability in bull trout redd counts. *North American Journal of Fisheries Management* 16:132-146.
- Rieman, B.E., and K.A. Apperson. 1989. Status and analysis of salmonid fisheries: westslope cutthroat trout synopsis and analysis of fishery information. Idaho Department of Fish and Game, Boise. Job Performance Report, Project F-73-R-11, Subproject II, Job 1.

REFERENCES

- Ringstad, N.R. 1976. Flathead River Fisheries Research 1976. Aquatico Environmental Consultants, Ltd. Ministry of Environment, Fish and Wildlife Branch. Cranbrook, B.C.
- Robins, C.R., and E.E. Duebler. 1955. The life-history and systematic status of the burbot, *Lota lota lacustris* (Walbaum), in the Susquehanna River system. New York State Museum and Science Service Circular 39, Albany, NY.
- Rocchini, R.J. 1981. Kootenay air and water quality study. Phase II. Water Quality in the Kootenai River Basin. B.C. Ministry of Environment. Victoria, B.C.
- Rochard, E. G., G. Castelnaud, and M. Lepage. 1990. Sturgeons (Pisces: Acipenseridae): threats and prospects. *Journal of Fish Biology* 37 (Supplement A): 123-132.
- Rodzen, J.A., T.R. Famula, T.R., and B.P. May. 2004. Estimation of parentage and relatedness in the polyploid white sturgeon (*Acipenser transmontanus*) using a dominant marker approach for duplicated microsatellite loci. *Aquaculture*. 232:165-182.
- Rodzen, J.A. and B.P. May. 2002. Inheritance of microsatellite loci in the white sturgeon (*Acipenser transmontanus*). *Genome* 45: 1064-1076.
- Rosgen, D.L. 1996. Applied River Morphology. Printed Media Companies, Minneapolis, Minnesota. 343 pp.
- Ross, C.P. and J.D. Forrester, 1958, Outline of the Geology of Idaho: Idaho Geological Survey Bulletin 15, 74 pp.
- Ruban, G. I. 1997. Species structure, contemporary distribution, and status of Siberian sturgeon, *Acipenser baerii*. *Environmental Biology of Fishes* 48: 221-230.
- Rubidge E., P. Corbett, E.B. Taylor. 2001. A molecular analysis of hybridization between native westslope cutthroat trout and introduced rainbow trout in southeastern British Columbia, Canada. *J. Fish. Biol.* 59:42.
- Ruggiero, Leonard F, Keith B. Aubry, Andrew B. Carey, and Mark H. Huff. (eds.)1991. Wildlife and vegetation of unmanaged Douglas-fir forests. PNW-GTR-285. Portland, OR. Pacific Northwest Research Station. 533 pp.
- Rumsey, C., M. Wood, B. Butterfield, P. Comer, D. Hillary, M. Bryer, C. Carroll, G. Kittel, K.J. Torgerson, C. Jean, R. Mullen, P. Iachetti, and J. Lewis. 2003. Canadian Rocky Mountains Ecoregional Assessment, Volume Three: Conservation Areas Descriptions. Prepared for The Nature Conservancy and the Nature Conservancy of Canada.
- Rumsey, S. and T. Weaver. 1997. Swan Lake Angler Creel Survey – 1995. Final Report. Montana Fish, Wildlife & Parks, Kalispell, MT.
- Runka, G.G. (compiler) 1969. Lands of the East Kootenay, their characteristics and capabilities to the B.C. Soil Capability for Agriculture and Forestry Committee. A report for agriculture and forestry.
- Ryder, J.M. 1981. Biophysical resources of the East Kootenay area: terrain. APD Bulletin 7. B.C. Min. Environ., Terrestrial Studies Branch, Victoria, B.C.
- Ryder, M. June. 2003. Geology, Landforms, and Surficial Materials, in: The Soil Landscapes of British Columbia. BC Ministry of Sustainable Resource Management website: <http://srmwww.gov.bc.ca/soils/landscape/1.3geology.html>.

- Ryder, R. A., and J. Pesendorfer. 1992. Food, growth, habitat, and community interactions of young of-the-year burbot, *Lota lota* (L.) in a Precambrian Shield lake. *Hydrobiologia* 243/244:211-227.
- Sage, G. K. 1993. University of Montana report to Doug Perkinson, Kootenai National Forest, February 23, 1993.
- Sage, G. K. 1995. University of Montana report to Charles Lobdell, Fish and Wildlife Service, August 9, 1995.
- Samson, Fred. 2002 (DRAFT) Pre-intensive Settlement Observations of Wildlife in Northwestern Montana and Northern-Most Idaho. 22.
- Sandlund, O.T., L. Klyve, and T.F. Naesje. 1985. Growth, habitat and food of the burbot, *Lota lota*, in Lake Mjoesa. *Fauna Blindern* 38: 37-43 (in Norwegian with English Summary).
- Sappington, L.C. 1995. Use of surrogate species in assessing contaminant risk to endangered and threatened fishes. Masters Thesis, University of Missouri, Columbia.
- Saunders, J. W. 1969. Mass mortalities and behavior of brook trout and juvenile Atlantic salmon in a stream polluted by agricultural pesticides. *Journal of the Fisheries Research Board of Canada* 26:695-699.
- Schaeffer, Claude E. 1940. The Subsistence Quest of the Kutenai: A Study of the Interaction of Culture and Environment. Ph.D. dissertation, University of Pennsylvania.
- Scholz, A., K. O'Laughlin, D. Geist, D. Peone, J. Uehara, L. Fields, T. Kleist, I. Zozaya, T. Peone and K. Teesatuski. 1985. Compilation of information on salmon and steelhead trout run size, catch, and hydropower related losses in the Upper Columbia River Basin, above Grand Coulee Dam. Upper Columbia United Tribes, Fisheries Center. Eastern Washington University, Cheney, WA. Fisheries Technical Report No. 2.
- Scholz, A., K. O'Laughlin, D. Geist, J. Uehara, D. Peone, L. Fields, T. Kleist, I. Zozaya, T. Peone, and K. Teesatuskie. 1999. Compilation of information on salmon and steelhead total run size, catch and hydropower related losses in the Upper Columbia river Basin, above grand Coulee Dam. Upper Columbia United Tribes Fisheries Center. Eastern Washington University, Department of Biology. Cheney, WA.
- Schram, S.T. 2000. Seasonal movement and mortality estimates of burbot in Wisconsin waters of western Lake Superior. Pages 90-95 in V.L. Paragamian and D.W. Willis, editors, *Burbot Biology, Ecology, and Management*. Publication Number 1, Fisheries Management Section of the American Fisheries Society, Spokane, WA, USA.
- Scott, W.B. and E. J. Crossman. 1973. *Freshwater Fishes of Canada*. Bulletin 184. Fisheries Research Board of Canada.
- Scott, W.B. and E.J. Crossman. 1973. *Freshwater fishes of Canada*. Fisheries Research Board Canada, Bulletin 173, Ottawa.
- Sebastian, D.C. 1979. MS. Life History Characteristics of Mission Creek rainbow Trout Based on Scale Analysis. Fisheries Management Report No. 74 Ministry of Environment, BC Government.
- Sebastian, D.S., R. Dolighan, H. Andrusak, J. Hume and P. Woodruff. 2004 Draft Report. Summary of Quesnel Lake Kokanee and Rainbow Trout Biology. Ministry of Water, Land and Air Protection, Province of British Columbia.
- Semakula, S. N. and P. A. Larkin. 1968. Age, growth, food, and yield of the white sturgeon (*Acipenser transmontanus*) of the Fraser River, British Columbia. *Journal of the Fisheries Research Board of Canada* 184.

REFERENCES

- Setter, A. and E. Brannon. 1992. A summary of stock identification research on white sturgeon of the Columbia River (1985-1990). Project No. 89-44. Final Report to the Bonneville Power Administration, Portland OR.
- Setter, A. and E. Brannon. 1990. Report on Kootenai River white sturgeon electrophoretic studies – 1989. Report for Idaho Department of fish and Game. Aquaculture Extension, University of Idaho. 43-50 pp. In: Apperson, K.A. editor. Kootenai River white sturgeon investigations and experimental culture. Annual Progress Report FY 1989. Idaho Department of Fish and Game and the Bonneville Power Administration. Contract No. DE-A179-88BP93947; Project No. 88-65. Portland, Oregon.
- Setter, A. 1988. Stock analysis of white sturgeon in the Columbia River. MS Thesis, University of Idaho, Moscow. 63 pp.
- Shepard, B.B., K.L. Pratt, and P.J. Graham. 1984. Life histories of westslope cutthroat and bull trout in the upper Flathead River Basin, Montana. Report to the Environmental Protection Agency Contract R008224-01-5. Montana Department of Fish, Wildlife and Parks. Helena, MT.
- Simpson, J.C. and R.L. Wallace. 1978. Fishes of Idaho. University of Idaho Press, Moscow.
- Skaar, D., J. Deshazer, L. Garrow, T. Ostrowski and B. Thornburg. 1996. Quantification of Libby Reservoir levels needed to maintain or enhance reservoir fisheries. Investigations of fish entrainment through Libby Dam, 1990–1994. Montana Fish, Wildlife and Parks, Helena.
- Skaar, Don. 1989. Montana Common Loon Mangement Plan. USFS, Montana Loon Society. 61 pp.
- Skaar, Don. 1992. Spring 1992 Newsletter: Montana Loon Society. Libby, MT. 4 pp.
- SLV. 1995. Water Column and Sediment Chemical Analysis. Prepared for the Kootenai Tribe of Idaho. Bonners Ferry, ID.
- Smith, A. H. 1984. Kutenai Indian subsistence and settlement patterns. U.S. Army Corps of Engineers, Seattle District, North Pacific Division.
- Smith, C., J. Nelson, S. Pollard, S. McKay, B. May, J. Rodzen, and B. Koop. 2001. Population genetic analysis of white sturgeon (*Acipenser transmontanus*) in the Fraser River. In: Proceedings of the Fourth International Symposium on Sturgeons, Oshkosh, Wisconsin, USA. 8-13 July, 2001.
- Smith, H.D., L. Margolis and C.C. Wood (Eds.). 1987. Sockeye salmon (*Onchorynchus nerka*) population biology and future management. Can. Spec. Publ. Aquatic Sci. 96: 486 p. Fisheries and Oceans.
- Smith, Jane Kapler, ed. 2000. Wildland fire in ecosystems: effects of fire on fauna. Gen. Tech. Rep. RMRS-GTR-42-vol. 1. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 83 p.
- Snelson, S., C. Muhlfeld and B. Marotz. 1997. Draft Report. Excessive Drawdown Mitigation. Montana Fish, Wildlife & Parks. Filed with Bonneville Power Administration, Portland, OR.
- Snyder, E.B. and G.W. Minshall. 1996. Ecosystem metabolism and nutrient dynamics in the Kootenai River in relation to impoundment and flow enhancement for fisheries management. Final Report. Stream Ecology Center, Idaho State University, Pocatello, ID.

Snyder, E.B. and G.W. Minshall. 1994. Ecosystem metabolism and nutrient dynamics in the Kootenai River in relation to impoundment and flow enhancement for fisheries management. Annual Report. Stream Ecology Center, Idaho State University, Pocatello, ID.

Snyder, E.B. and G.W. Minshall. 1995. Ecosystem metabolism and nutrient dynamics in the Kootenai River in relation to impoundment and flow enhancement for fisheries management. Annual Report. Stream Ecology Center, Idaho State University, Pocatello, ID.

SOR EIS. 1995. Columbia River System Operation Review. Environmental Impact Statement. Main Report and Appendix K, Resident Fish. Bonneville Power Administration, U.S. Army Corps of Engineers, U.S. Bureau of Reclamation.

Sorokin, V.N. 1971. The spawning and spawning grounds of the burbot, *Lota lota* (L.). *Journal of Ichthyology* 11: 907-916.

Soults, S. and P. Anders (Eds). 2003. An Assessment of Operational Losses and Restoration of the Kootenai River Ecosystem using Historical Topographic Reconstruction and Ecohydraulic Modeling. Draft Report prepared for the Kootenai Tribe of Idaho.

Soults, S. and P. Anders (Eds.). 2003. Implement operation loss assessment, protection, mitigation and rehabilitation on the Kootenai River watershed: Ecosystem functional assessment and restoration using historical topographic reconstruction and ecohydraulic modeling. BPA Project 2002-011-00. Report prepared for the Bonneville Power Administration. Portland OR. 30 pp.

Soults, Scott. 2002. Reconnection of floodplain slough habitat to the Kootenai River. Project ID: 24010. 2002 Project Proposal to Northwest Power Planning Council, Portland OR.

Spalding, S. 1997. Montana bull trout redd survey manual. Montana Fish, Wildlife and Parks, Helena, MT.

Sparrow, R. A. H., P.A. Larkin and R. A. Rutherglen 1964. Successful introduction of *Mysis relicta* Loven into Kootenay Lake, British Columbia. *J. Fish. Res. Bd. Canada*, 21 (5) 1325-1327.

Sparrow, R. A. H., P.A. Larkin and R. A. Rutherglen 1964. Successful introduction of *Mysis relicta* Loven into Kootenay Lake, British Columbia. *J. Fish. Res. Bd. Canada*, 21 (5) 1325-1327.

Spence, C. 1999. Kootenay Lake Burbot Studies Progress 1998-1999. B.C. Ministry of Water, Land, and Air Protection report for Habitat Conservation Trust Fund and the Bonneville Power Administration.

Spence, C. R. 2000. A comparison of catch success between two styles of burbot traps in lakes. Pages 165-170 In: V.L. Paragamian and D.W. Willis, editors, *Burbot Biology, Ecology, and Management*. Publication Number 1, Fisheries Management Section of the American Fisheries Society, Spokane, WA, USA.

Spence, C. R., and M. D. Neufeld. 2002. Radio studies of Duncan reservoir burbot. Report to Habitat Conservation Trust Fund and Bonneville Power Administration from the Ministry of Land, Water, and Air Protection, Nelson, B.C. iii + 36 pp.

Sprague, C. R., L. G. Beckman, and S. D. Duke. 1993. Prey selection by juvenile white sturgeon in reservoirs of the Columbia River. Pages 232-239 in R. C. Beamesderfer and A. A. Nigro editors. *Status and habitat requirements of the white sturgeon populations in the Columbia River downstream from McNary Dam*. Vol. 2. Final Report to the Bonneville Power Administration, Project No. 86-50.

REFERENCES

- Stanford, J.A. 1990. Mitigating the Impacts of Stream and Lake Regulation in the Flathead River Basin, Montana: An Ecosystem Perspective. Biological Station Open File Report Number 113-90. Flathead Lake Biological Station, University of Montana, Polson, MT.
- Stanford, J. A. 2000. River Ecological Studies of the North Fork of the Flathead River, Montana and British Columbia. Flathead Lake Biological Station.
- Stanley, A.O., C. Stewart, J.H. Bartlett, W.H. Hearst, E. Lorton, and G.W. Kyle. 1938. International Joint Commission, Order of Approval. West Kootenay Power and Light Company. Ltd.
- Stansberry, Bret. 1996. Evaluation of bighorn sheep and mule deer habitat enhancements along Koocanusa Reservoir. FWP Final Report. 76 pp.
- Stockner, J. G., ed. 2003. Nutrients in salmonid ecosystems: Sustaining production and biodiversity. American Fisheries Society Symposium 34.
- Stockner, J. and K. Ashley. 2003. Salmon Nutrients in Aquatic Ecosystems: Closing the Circle in Stockner, J.G., editor. 2003. Nutrients in Salmonid Ecosystems: Sustaining Production and Biodiversity. American Fisheries Society, Symposium 34, Bethesda, Maryland.
- Stockner, J.G. and E.A. MacIsaac. 1996. British Columbia lake enrichment programme; two decades of habitat enhancement for sockeye salmon. *Reg. Rivers: Res. Manage.*: 12:547-561.
- Stockner, J.G., E. Rydin and P. Hyenstrand. 2000. Cultural oligotrophication: causes and consequences for fisheries resources. *Fisheries* 25:7-14.
- Stockner, JG and KS Shortreed 1989 Algal picoplankton production and contribution to food-webs in oligotrophic British Columbia lakes. 1989 *Hydrobiologica* 173: 151-166.
- Storm, P. C., Bonde, T. J. H., and R. M. Bush (1982). Limnological investigations: Lake Koocanusa, Montana, Part 3: Post-impoundment study 1972-1978. U.S. Army Corps of Engineers Special Report 82-23.
- Suchomel, I.S. 1994. Effects of flow regulation by dams on pioneer riparian plant species of the Lower Flathead River, Unpublished M.S. Thesis. Univ. of Montana. 109 pp.
- Swetnam T.W., Wickman B.E., Paul H.G., Baisan C.H. 1995. Historical patterns of western spruce budworm and Douglas-fir tussock moth outbreaks in the northern Blue Mountains, Oregon, since A.D. 1700. Res. Pap. PNW-RP-484. USDA Pac. Northwest. Res. Stn. 27 pp.
- Taylor, J.L. and McPhail, J.D. 2000. Temperature, development, and behavior in the early life history of burbot from Columbia Lake, British Columbia. Pages 30-37 in V.L. Paragamian and D.W. Willis, editors, Burbot Biology, Ecology, and Management. Publication Number 1, Fisheries Management Section of the American Fisheries Society, Spokane, WA, USA.
- Tetra Tech. 2003. Kootenai River Geomorphic Assessment. Bonners Ferry, ID. A report prepared for the US Army Corps of Engineers.
- The Nature Conservancy. 1988. A Plan for the augmentation of an existing population of Columbian sharp-tailed grouse in the Tobacco Valley, Montana. Big Sky Field Office, Helena, MT. 16 pp

- Thomas, J.W. (Ed.). 1979. Wildlife habitats in managed forest: the Blue Mountains of Oregon and Washington. Agriculture Handbook 553. Washington, DC: U.S. Department of Agriculture, Forest Service. 512 pp.
- Thompson, L. 1999. Abundance and production of zooplankton and kokanee salmon (*Oncorhynchus nerka*) in Kootenay Lake, British Columbia, during artificial fertilization. Ph.D. thesis. University of British Columbia, Vancouver.
- Thompson, L.C. 1999. Abundance and Production of Zooplankton and Kokanee Salmon (*Oncorhynchus nerka*) in Kootenay Lake, British Columbia During Artificial Fertilization. PHD Thesis University of British Columbia Vancouver, B.C. 252 p.
- Thurber Consultants. 1981. *Mysis relicta* in the west arm of Kootenay Lake. Prepared by B.C. Research, Project 1-12-338, Vancouver, B.C.
- Trombulak, S.C. and C. Frissell. 2000. Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. Conservation Biology 14(1)18-30.
- Turney-High, H. H. 1969. Memoirs of the American Anthropological Association. Ethnogeography of the Kutenai. Supplement to American Anthropologist. 43(2), Part 2, No. 56. Kraus Reprint Co. New York, NY.
- U.S. Department of Energy, Bonneville Power Administration and Montana Department of Fish, Wildlife and Parks. 1984. Wildlife impact assessment and mitigation summary: Montana hydroelectric projects, Volume 1-Libby dam, final report. Portland, OR 120 pp.
- U.S. Department of Energy, Bonneville Power Administration and Montana Department of Fish, Wildlife and Parks. 1984. Wildlife and wildlife habitat mitigation plan: Montana hydroelectric projects, Volume 1-Libby dam, final report. Portland, OR. 40 pp.
- USACOE (U.S. Army Corps of Engineers). 1974. Final Environmental Impact Statement: Libby Dam additional units and reregulating dam. U.S. Army Corps of Engineers. Seattle, WA.
- USACOE. 1997a. Columbia River Basin system flood control review preliminary analysis report. U.S. Army Corps of Engineers, North Pacific Division. 98 pp. (plus appendices).
- USACOE. 2002. Upper Columbia River Alternative Flood Control and Fish Operations Interim Implementation - Libby and Hungry Horse Dams Montana, Idaho and Washington – Final Environmental Assessment.
- USACOE. 1997b. Libby Dam-Lake Koocanusa project master plan. Design memorandum No. 52. Seattle, WA.
- USDA Forest Service and USDI Bureau of Land management. 2000. Source habitats for terrestrial vertebrates of focus in the Interior Columbia Basin: broad-scale trends and management implications. PNW-GTR-485; Vol 1-3. Portland, OR. Pacific Northwest Research Station. 529 pp.
- USDA Forest Service. 1980. An Approach to Water Resources Evaluation of Non-Point Silvicultural Sources (A procedural Handbook). Interagency Agreement No. EPA_IAG-D6-660.
- USDA USFS and NRCS 1995. Soil Survey of Kootenai National Forest Area, Montana and Idaho.
- USDA, Forest Service. 1987. Kootenai National Forest Forest Plan and Final Environmental Impact Statement. Kootenai National Forest. Libby, MT.

REFERENCES

- USDA, Forest Service. 1999. Final environmental impact statement for the Idaho Panhandle and Colville national Forests: Douglas-fir beetle project. Record of decision; Vol 1-2; appendices A-F. Region 1 and region 6. Coeur d'Alene, ID and Colville, WA. 1280 pp.
- USDA, Forest Service. 2000. Forest plan monitoring and evaluation report: fiscal year 1999, summary report. Libby, MT. Kootenai National Forest. 12 pp.
- USDA, SCS, 1942, Preliminary Report of Water Resources, Kootenai River Drainage, Boundary County, ID. 28 pp.
- USEPA (Environmental Protection Agency). 1998. Climate Change and Idaho. EPA Office of Policy. Document No. 236-F98-007f. Washington, D.C.
- USFS (U.S. Forest Service), in litt. 1994a. Watershed condition assessment map for Idaho Panhandle National Forests.
- USFS, in litt. 1994b. Aquatic Ecosystem Strategy, Idaho Panhandle National Forests.
- USFS, in litt. 1998b. Biological Assessment for Kootenai River basin bull trout Section 7 consultation, Idaho Panhandle National Forests.
- USFS, in litt. 1998e. Biological Assessment for Pend Oreille Basin bull trout Section 7 consultation, Idaho Panhandle National Forests.
- USFS, in litt. 1998k. Blue Grass Bound Environmental Assessment, Idaho Panhandle National Forests.
- USFS, in litt. 1999e. Letter to Federal Energy Regulatory Commission regarding preliminary permit application for the Boundary Creek Water Power Project, Idaho Panhandle National Forests.
- USFS. 1995. Inland Native Fish Strategy, Environmental Assessment. USDA Forest Service, Intermountain, Northern, and Pacific Northwest Regions.
- USFS. 1998. Final Environmental Impact Statement: Forest Plan Amendment #21. Flathead National Forest. Kalispell, MT.
- USFS. 2003. Upper Kootenai Watershed Restoration Project Annual Report: FY 2002. USFS. Kootenai National Forest.
- USFS KIPNF (U.S. Forest Service Kootenai and Idaho Panhandle National Forests). 2003. Analysis of the Management Situation for Revision of the Kootenai and Idaho Panhandle Forest Plans. Technical Report. USDA Forest Service. Libby, MT and Coeur d'Alene, ID.
- USFS KIPNF. 2003a. Various Geographic Area descriptions. IPNF. June 2003.
- USFS KNF (U.S. Forest Service Kootenai National Forest). 1999. Vegetation Response Units: Characterizations and Target Landscape Prescriptions. Kootenai National Forest. Libby, MT.
- USFS KNF. 2002. Upper Kootenai Subbasin Review. US Department of Agriculture, Forest Service, Kootenai National Forest, Libby, MT.
- USFS KNF. 2002b. Section 7 Consultation Watershed Baselines: Upper, Middle, and Lower Kootenai River, Montana. US Department of Agriculture, Forest Service, Kootenai National Forest, Libby, MT.

- USFS. KNF. 2002a. Forest Plan Monitoring and Evaluation Report FY2001. USFS Kootenai National Forest. September, 2002.
- USFWS (U.S. Fish and Wildlife Service), in litt. 1999. Letter to Federal Energy Regulatory Commission regarding preliminary permit application for the Boundary Creek Water Power Project.
- USFWS. 1994. Determination of endangered status for the Kootenai River white sturgeon population. Federal Register 59(171) 45989.
- USFWS. 1998. Klamath River and Columbia River bull trout population segments: status summary. USFWS, Bull Trout Listing Team, Boise, ID.
- USFWS. 1999. Recovery Plan for the White Sturgeon (*Acipenser transmontanus*): Kootenai River Population. U.S. Fish and Wildlife Service, Portland, OR. 96 pp. plus appendices.
- USFWS. 1999. Recovery plan for the white sturgeon (*Acipenser transmontanus*): Kootenai River population. U.S. Fish and Wildlife Service, Portland, OR.
- USFWS. 1999a. Status Review for Westslope Cutthroat Trout in the United States, September 1999. United States Department of the Interior, U.S. Fish and Wildlife Service Regions 1 and 6. Portland, Oregon and Denver, Colorado.
- USFWS. 2000. Biological Opinion on Operation of the Federal Columbia River Hydropower System. Section 8.1.f.
- USFWS. 2002a. Chapter 1, Introduction. In: Bull Trout (*Salvelinus confluentus*) Draft Recovery Plan. U.S. Fish and Wildlife Service, Portland, OR. 137 pps.
- USFWS. 2002b. Chapter 4, Kootenai River Recovery Unit, Oregon. 89 p. In: U.S. Fish and Wildlife Service. Bull Trout (*Salvelinus confluentus*) Draft Recovery Plan. Portland, OR.
- US Geological Survey. 1999. Active, inactive, and abandoned mine information and selected geochemical data for the State of Idaho. [Ftp://greenwood.cr.usgs.gov/pub/op...e-reports/ofr-95-0644](ftp://greenwood.cr.usgs.gov/pub/op...e-reports/ofr-95-0644).
- van Duijn, C. Jr. 1967. Diseases of fish. 2nd Edition. London: Iliffe, Books Ltd.
- Van Winkle, W., C. C. Coutant, H. I. Jager, J. S. Mattice, D. J. Orth, R. G. Otto, S. F. Railsback, and M. J. Sale. 1997. Uncertainty and instream flow standards; perspectives based on hydropower research and assessment. *Fisheries* 22(7):21-22.
- Van Winkle, W., P. J. Anders, D. H. Secor, and D. A. Dixon, eds. 2002. Biology, Management, and Protection of Sturgeons. American Fisheries Society Symposium 28. 258 pp.
- Vanek, Mona. 1986. Behind These Mountains, People of the Shining Mountains Where the Clark's Fork river Churns.
- Vannote, R.L., G.W. Minshall, K.W. Cummins, J.R. Sedell, and C.E. Cushing. 1980. The River continuum Concept. *Can. J. Fish. Aquat. Sci.* 37:130-137.
- Vashro, J. 2000. Database on Montana unauthorized fish introduction. Montana Fish, Wildlife and Parks, Kalispell, MT.
- Verner, J., M.L. Morrison, and C.J. Ralph. 1986. Wildlife 2000: modeling habitat relationships of terrestrial vertebrates. Proceedings of an international symposium; 1984 October 7-11, Fallen Leaf Lake, CA. Madison: University of Wisconsin Press. 470 pp.

REFERENCES

- Vernon, E. H. 1957. Morphometric Comparison of Three Races of Kokanee (*Oncorhynchus nerka*) Within a Large British Columbia Lake. *Journal of the Fisheries Research Board of Canada* 27: 1239-1250.
- Voelz, N.J. and J.V. Ward. 1991. Biotic responses along the recovery gradient of a regulated stream. *Canadian Journal of Fisheries and Aquatic Sciences*. 48: 2477-2490.
- Vold, T., R.F. Ferster, T.K. Ovannin, R.D. Marsh, and G.P. Woods. 1980. Soil and vegetation resources of the Pend D'Oreille Valley, B.C. *APD Bulletin 2, Min. Environ., Victoria, B.C.*
- Wakkinen, W. and B. K. Johnson. 2000. Selkirk Ecosystem Project. Idaho Department of Fish and Game, Boise, ID. 37pp
- Wakkinen, W. 2000. Personal Communication with Scott Soult. Idaho Department of Fish and Game. Bonners Ferry, ID. September 2000.
- Waldman, J. R. 1995. Sturgeon and paddlefishes: A convergence of biology, politics, and greed. *Fisheries* 20(9):20-49.
- Waller, Amy J. 2002. Flathead Stewardship Index, Working Draft. 2002 Edition.
- Walters, C. J. 1986. Adaptive management of renewable resources. McMillan, New York, New York, USA
- Walters, C. J. 1997. Challenges in adaptive management of riparian and coastal ecosystems. *Conservation Ecology* [online]1(2):1. <http://www.consecol.org/vol1/iss2/art1>.
- Walters, C. J., J. Digisi, J. Post, and J. Sawada 1991. Kootenay Lake fertilization response model. Fisheries Management Report No. 98. Ministry of Environment, Province of British Columbia.
- Walters, C. J., and R. Green. 1997. Valuation of experimental management options for ecological systems. *Journal of Wildlife Management*.
- Walters, J. 2001. Electronic mail message to Wade Fredenberg about bull trout in the Kootenai River, Idaho. Idaho Department of Fish and Game, Coeur d'Alene, ID.
- Walters, J. P. 2002. Kootenai River fisheries investigations: rainbow and bull trout recruitment. Annual progress report to Bonneville Power Administration, April 1, 2000-March 31, 2001. Project 1988-06500. Idaho Department of Fish and Game. Boise, ID.
- Walters, J. P. 2003. Kootenai River fisheries investigations: rainbow and bull trout recruitment. Annual progress report to Bonneville Power Administration, April 1, 2001-March 31, 2002. Project 1988-06500. Idaho Department of Fish and Game. Boise, ID.
- Walters, J. P. 2003. Genetic Data Set provided to Kootenai Subbasin Planning for QHA analysis of 6th Code HUCs.
- Walters, J. P., and C. C. Downs. 2001. Kootenai River fisheries investigations: rainbow and bull trout recruitment. 1999 Annual report to Bonneville Power Administration. Project 1988-06500. Idaho Department of Fish and Game. Boise, ID.
- Wang, N. and A. Appenzeller. 1998. Abundance, depth distribution, diet composition and growth of perch (*Perca fluviatilis*) and burbot (*Lota lota*) larvae and juveniles in the pelagic zone of Lake Constance. *Ecology of Freshwater Fish* 7:176-183.
- Wang, Y. L., F. P. Binkowski, and S. I. Doroshov. 1985. Effect of temperature on early development of white and lake sturgeon *Acipenser transmontanus*, and *A. fulvescens*. *Environmental Biology of Fishes* 14:43-50.

- Waples, R. 1991. Genetic interactions between hatchery and wild salmonids: Lessons from the Pacific Northwest. *Canadian Journal of Fisheries and Aquatic Sciences* 48 (Supplement 1):124-133.
- Ward, J. V. and J.S. Stanford. 1983. The serial discontinuity concept of lotic ecosystems. Ch. 2 in T.D. Fontaine and S.M. Bartell (editors), *Dynamics of lotic ecosystems*. Ann Arbor Science Publishers.
- Weaver, T.M. and R.G. White. 1985. Coal Creek fisheries monitoring study No. III. Quarterly progress report. Bozeman, MT: USDA Forest Service, Montana State Cooperative Fisheries Research Unit. 94 p.
- Weatherley, A.H., P.S. Lake and S.C. Rogers. 1980. Zinc pollution and the ecology of the freshwater environment. Pages 337-418 in J.O. Nriagu, editor. *Zinc in the environment part I: ecological cycling*. John Wiley and Sons, New York.
- Webb, Molly A. H. 2003. Investigation of potential methods by which to determine and monitor reproductive senescence in white sturgeon. Report prepared for Kootenai Tribe of Idaho and funded by Bonneville Power Administration - Project 198806400.
- Weddell, Bertie J. (Ed.). *Restoring Palouse And Canyon Grasslands: Putting Back The Missing Pieces Technical Bulletin No. 01-15*. Idaho Bureau Of Land Management August 2001
- Wei, Q., F. Ke, J. Zhang, P. Zhang, J. Lou, R. Zhou, and W. Wang. 1997. Biology, fisheries, and conservation of sturgeons and paddlefish in China. *Environmental Biology of Fishes* 48:257-264
- Werner, J.K. 1999 - unpubl. Bufo boreas records for the Kootenai. 9 page spreadsheet.
- Werner, J.K. and J.D. Reichel. 1994. Amphibian and Reptile Monitoring/Survey of the Kootenai National Forest: 1994. USDA, FS . Montana Natural Heritage Program. Helena, MT. 53 pp.
- Werner, J.K. and J.D. Reichel. 1996. Amphibian and Reptile Monitoring/Survey of the Kootenai National Forest: 1995. USDA, FS . Montana Natural Heritage Program. Helena, MT. 53 pp.
- Westover, W.T. 1999. Wigwam River bull trout (creel survey). British Columbia Environment, Cranbrook, B.C.
- Westover, W.T. MS. Kootenai Kokanee Enumeration (2003) 2003. Ministry of Water, Land and Air Protection, Province of British Columbia. Cranbrook, BC.
- White, Mark. 1998. Historical Wildlife Index (sorted by subject) Draft 11-12-98. USDA Forest Service, Kootenai National Forest. Libby, MT.
- Wickman B.E. 1978. A case study of a Douglas-fir tussock moth outbreak and stand conditions 10 years later. Res. Pap. PNW-244. USDA For. Serv. Pac. Northwest For. Range Exp. Stn. 22 pp.
- Wiggins, G.B., R.J. Mackay and I.M. Smith. 1980. Evolutionary and ecological strategies of animals in annual temporal pools. Supplement: *Arch. Hydrobiol.* 58:97-206.
- Williams, C.K., and T.R. Lillybridge. 1983. Forested plant associations of the Okanagon National Forest. USDA Forest Service, Pac. NW Region, Portland, OR. R6-ECOL-1326.

REFERENCES

- Williams, J.E., J.E. Johnson, D.A. Hendrickson, S. Contreras-Balderas, J.D. Williams, M. Avarro-Mendoza, D.E. McAllister, and J.E. Deacon. 1989. Fishes of North America endangered, threatened, or of special concern: 1989. *Fisheries* 14(6):2-20.
- Williams, R.N., P. A. Bission D. L. Bottom, L. D. Calvin, C. C. Coutant, M. W. Ehro Jr., C. A. Frissell, J. A. Lichatowich, W. J. Liss, W. E. McConnaha, P. R. Mundy, J. A. Stanford and R. R. Whitney (Independent Scientific Group). 2000. Return to the River 2000: Restoration of the Salmonid Fishes in the Columbia River Ecosystem. Northwest Power Planning Council Document 2000-12. Northwest Power Planning Council, Portland, OR.
- Wilson, G. 2000. Alouette Reservoir Fertilization Experiment: Year Two (1999) Report Contract Report for the British Columbia Ministry of Fisheries. Project Report No. RD.
- Wirgin, I. I., J. E. Stabile, and J. R. Waldman. 1997. Molecular analysis in the conservation of sturgeons and paddlefish. *Environmental Biology of Fishes* 48:385-398.
- Wittneben, U. 1980. Soil resources of the Lardeau Map Area. R.A.B. Bull. 15, (Soil Survey Report No.27). Resource Analysis Branch, B.C. Min. Environ., Kelowna, B.C.
- Wood, Alan K. 2003. Wildlife Mitigation Program for Libby and Hungry Horse Dam, Five-Year Operating Plan. Montana Fish, Wildlife and Parks, Kalispell. 18pp.
- Wood, Marilyn. 1991. Columbian Sharp-tail Grouse Mitigation Implementation Plan for Western Montana. October 3, 1991. MT. Dept. Fish, Wildl, and Parks. Kalispell, MT. 24 pp.
- Wood, M. A. and T. Manley. 1993. Northwest Montana Wildlife Mitigation Habitat Protection: Advance Design Appendix G. FINAL REPORT. Montana Department of Fish, Wildlife and Parks. October 1993.
- Wood, M. A. 1991. Columbian sharp-tailed grouse mitigation implementation plan for Western Montana. Montana Dept. Fish, Wildlife & Parks. 24 pp.
- Woods, P.F. and C. M. Falter 1982a. Limnological investigations: Lake Koochanusa, Montana, Part 4: Factors controlling primary productivity. U.S. Army Corps of Engineers Special Report 82-15.
- Woods, P.F. And C.M. Falter. 1982. Annual nutrient loadings, primary productivity, and trophic state of Lake Koochanusa, Montana and British Columbia, 1972-80. Geological Survey Professional Paper 1283, United States Government Printing Office.
- Wright, A. et al. 1996. Review of Columbia River operating criteria. Report to the National Marine Fisheries Service and Bonneville Power Administration by Al Wright Consulting, Portland, OR.
- Wright, Henry A. and Bailey, Arthur W. 1980. Fire ecology and prescribed burning in the great plains—a research review. Gen. Tech. Rep. INT-77. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 60 p.
- Wright, Henry A.; Bailey, Arthur W. 1982. Fire ecology United States and southern Canada. New York: John Wiley & Sons. 501 p.
- Wright, M.E., K.I. Ashley, H. Andrusak, H. Manson R. Lindsay, R.J. Hammond, F.R. Pick, L.M. Ley, P.B. Hamilton, S.L. Harris, L.C. Thompson, , L. Vidmanic, D. Sebastian, G. Scholten, M. Young and D. Miller. 2002. Kootenay Lake Fertilization Year 9 (2000/2001) Report. Fisheries Project Report No. RD 105 2002. Ministry of Water, Land and Air Protection, Province of British Columbia. Society, Symposium 34, Bethesda, MD.

Yang, J.R., F. Pick, and P.B. Hamilton. 1997. Phytoplankton biomass, composition and size distribution of Kootenay Lake BC following experimental fertilization. Year 5 (1996) Report prepared for BC Ministry of Environment, Lands, and Parks.

Yde, C.A. and A. Olsen. 1984. Wildlife impact assessment and summary of previous mitigation related to hydroelectric projects in Montana. Vol. 1. Libby Dam. Montana Dept. of Fish, Wildlife and Parks Report in cooperation with the Bonneville Power Administration. Project No. 83-464. Helena, MT. 91 pp. plus appendices.

Young, G.K., J.W. van Barneveld, A.J. Luckhurst, and R.D. Marsh. 1973. Creston wildlife pilot project: a biophysical habitat approach to capability assessment and management potential of the wildlife resource. B.C. Dept. of Agric., B.C. Land Inv., Victoria, B.C.

Youmans, Heidi B. 1992. Statewide elk management plan. Montana Fish, Wildlife and Parks, Helena, MT. 170 pp.

Zack, A.C. 1995. Northern Idaho forest ecosystems: historic conditions and current trends in forest succession, fire, timber harvest, and landscape patterns. In: Dynamics of Northern Idaho forests, a symposium on plants animals and people. Coeur d'Alene, ID. 25 pp.

REFERENCES

This Page Intentionally Blank

8 APPENDICES

- Appendix 1** USFS (Kootenai and Idaho Panhandle National Forests) Information Summaries for Geographic Areas in the Subbasin
- Appendix 2** Fish and Wildlife Administrative Agencies in the Subbasin
- Appendix 3** Climate Information for Southeastern British Columbia (Nelson Forest Region)
- Appendix 4** Soils and Geologic Information for Southeastern British Columbia
- Appendix 5** Brief Geologic History (Idaho portion of the subbasin)
- Appendix 6** Landforms of the Kootenai Subbasin
- Appendix 7** Hydrologic “Click” Map
- Appendix 8** Summaries of hydrologic data from 14 Canadian and USGS gauging stations in the Subbasin
- Appendix 9** USFS (KNF & IPNF) Excel spreadsheets with scores for a large number of watershed attributes for Kootenai River tributaries in the Upper Kootenai in Montana and the lower Kootenai in Idaho
- Appendix 10** Landtype Association (LTA) Descriptions
- Appendix 11** General Lower Kootenai Soil Map Descriptions (Idaho portion of the Subbasin)
- Appendix 12** Soils in the Upper Kootenai (Montana portion of the Subbasin)
- Appendix 13** Plant and Animal Species of Concern
- Appendix 14** Report on B.C. Red- and Blue-Listed Vertebrate and Vascular Plant Species
- Appendix 15** Habitat Type Groupings into PVGs
- Appendix 16** PVG Descriptions
- Appendix 17** Biogeoclimatic Subzones and Variants of The Nelson Forest Region
- Appendix 18** MFWP Comments on the Draft Mainstem Amendments Document 2002-16
- Appendix 19** Aquatic and Terrestrial Vertebrate Species in the Kootenai Subbasin

APPENDICES

- Appendix 20** Species of Concern identified by the Montana Natural Heritage Program and Idaho Conservation Data Center
- Appendix 21** List of Kootenai Subbasin Red and Blue-Listed Vertebrate and Vascular Plant Species in B.C. portion
- Appendix 22** Excerpt (Chapter 5) from Return to the River
- Appendix 23** Excerpt from the Kootenai National Forest's *Upper Kootenai Subbasin Review* on hydrology, watershed process, aquatic species, and water quality limited segments.
- Appendix 24** Excerpt from: Scientific Framework for Libby Dam (Marotz 2002)
- Appendix 25** Excerpt from: Hauer, F. R. and J. A. Stanford. 1997. Long-term Influence of Libby Dam Operation on the Ecology of Macrozoobenthos of the Kootenai River, Montana.
- Appendix 26** Excerpt from the Kootenai and Idaho Panhandle National Forests *Analysis of Management Situation* on Aquatic Conditions
- Appendix 27** Excerpt from MFWP, CSKT, and KTOI. 1998. Fisheries Mitigation and Implementation Plan for Losses Attributable to the Construction and Operation of Libby Dam
- Appendix 28** Excerpt from the Kootenai National Forest's Section 7 Consultation' *Watershed Baseline reports for the Upper, Middle, and Lower Kootenai River, Montana*. October 2000. USDA Forest Service: Watershed and Stream Characteristics for Major Kootenai River Tributaries in the Montana portion of the Subbasin.
- Appendix 29** Kootenai River Geomorphic Assessment Bonners Ferry, ID, a report completed for the US Army Corps of Engineers by Tetra Tech, Inc.
- Appendix 31** Summary tables from from the Kootenai National Forest's Section 7 Consultation *Watershed Baseline reports for the Upper, Middle, and Lower Kootenai River, Montana*.
- Appendix 32** QHA stream spreadsheets
- Appendix 33** LQHA lake spreadsheets
- Appendix 34** A Conservation Strategy for Northern Idaho Wetlands (Jankovsky-Jones 1997)

- Appendix 35** The Impact of Flow Regulation on Riparian Cottonwood Forests along the Kootenai River in Idaho, Montana, and British Columbia
- Appendix 36** Report on Kootenai National Forest Peatlands
- Appendix 37** An Ecological Inventory of Wetland Sites in the Thompson-Fisher Conservation Easement
- Appendix 38** Rare wetland plants of the Bonners Ferry Ranger District, Idaho
- Appendix 39** Wetland and Riparian Plant Species of the Kootenai River Valley
- Appendix 40** Moonworts of the Kootenai National Forest
- Appendix 41** Range Use in the East Kootenay
- Appendix 42** Fire Effects on Key Ecological Processes in Forested Ecosystems
- Appendix 43** Disturbance Processes and Functions of Habitat Groups
- Appendix 44** Vegetation Response Unit Groups Descriptions for the KIPZ
- Appendix 45** Forest Resources of the Kootenai National Forest
- Appendix 46** Historic Vegetation Conditions in the Kootenai
- Appendix 47** Wildlife Species Present in the Kootenai, Circa 1850
- Appendix 48** Wildlife Habitat Changes occurring between the Pre-Settlement Period and Present
- Appendix 49** Number of Key Ecological Functions (KEFs) by Biome
- Appendix 50** IBIS Methodology for Identification of Functional Specialists
- Appendix 51** Mountain Columbia Province Key Ecological Correlate (KEC) Analysis
- Appendix 52** MFWP Current bull trout distribution and abundance maps of the Montana portion of the Kootenai
- Appendix 53** USFS KNF Section 7 Bull Trout Consultation Upper, Middle and Lower Kootenai
- Appendix 54** Appendix A (Aquatics) from the Kootenai National Forest's *Upper Kootenai Subbasin Review*

APPENDICES

Appendix 55	Salmonid Status Spreadsheets from the Kootenai and Idaho Panhandle National Forests
Appendix 56	Creston National Fish Hatchery Hatchery and Genetics Management Plan (HGMP)
Appendix 57	Environmental Assessment for recreational bull trout fishing in Koocanusa
Appendix 58	Chapter 4 (Kootenai River) of the Draft Bull Trout Recovery Plan
Appendix 59	Life History of Bull Trout
Appendix 60	Maps showing (1) bull trout genetic distribution and status in the Montana portion of the Kootenai Subbasin and (2) bull trout distribution, restoration/conservation areas, and core habitat areas
Appendix 61	Streams that contain brook trout in the Montana portion of the subbasin
Appendix 62	USFS Region 1's Cohesive Strategy Team (CST) Watershed Vulnerability Analysis
Appendix 63	Results of an American Wildlands, GIS-based, coarse-scale analysis of the current condition of native aquatic integrity across an Upper Columbia basin (called the Aquatic Integrity Areas (AIA) model).
Appendix 64	Waters testing positive for fish pathogens
Appendix 65	Cohesive Strategy Team maps showing westslope cutthroat trout distribution and status
Appendix 66	MFWP maps showing westslope cutthroat trout distribution and genetic purity for the MT portion of the Kootenai
Appendix 67	Westslope cutthroat trout hatchery brood stock histories for Montana
Appendix 68	Remote Site Incubator (RSI) use in Youngs Creek
Appendix 69	Montana Trout Genetic Purity Data set
Appendix 70	USFWS Westslope Cutthroat Trout Status Review
Appendix 71	Westslope Cutthroat Trout Status Review Update
Appendix 72	Risk scores for Kootenai and Flathead Subbasin conservation populations

- Appendix 73** State of Montana’s Memorandum of Understanding for Westslope Cutthroat Trout
- Appendix 74** MFWP maps showing redband trout distribution and genetic purity for the MT portion of the Kootenai
- Appendix 76** Scientific papers on Montana redband trout
- Appendix 77** The Kootenai river White Sturgeon Conservation Aquaculture HGMP
- Appendix 78** Kootenai River White Sturgeon Recovery Plan
- Appendix 79** Predicted Distributions of Terrestrial Vertebrates Species In Idaho and Montana
- Appendix 80** Wildlife Habitat Spreadsheets (TBA)
- Appendix 81** Management of Montana’s Amphibians
- Appendix 82** Excerpt on wildlife from the Kootenai National Forest’s *Upper Kootenai Subbasin Review*
- Appendix 83** The Nature Conservancy’s Wide-Ranging Carnivore Resource Selection Function Maps
- Appendix 84** IBIS Methodology for Identification of Functional Specialists
- Appendix 85** QHA Users Guide
- Appendix 86** Summary of Federal Activities and Authorities on the Kootenai River
- Appendix 87** Kootenai River Fisheries Monitoring Results From the Spill Events at Libby Dam, June-July 2002
- Appendix 88** Kokanee stocking history for Moyie Lake, B.C.
- Appendix 89** Bull Trout Brochure for B.C.
- Appendix 90** Westslope Cutthroat Trout Brochure for B.C.
- Appendix 91** Upper Kootenay River Bull Trout Radio Telemetry Project (2000-2003)
- Appendix 92** History of WCT fishery in the Upper Kootenay, B.C.
- Appendix 93** Executive Summary: Impacts of Climate Change on the Pacific Northwest

APPENDICES

Appendix 93	Climate Change Summary
Appendix 94	Target Species Descriptions and Links
Appendix 95	Surveying Cross Sections of the Kootenai River Libby Dam, Montana to Kootenay Lake, B.C.
Appendix 96	Glossary from the Draft Bull Trout Recovery Plan
Appendix 97	Kootenai Drainage portion of the IDFG 5-Year Fish Management Plan 2001-2006
Appendix 98	MFWP Barriers Map
Appendix 99	Kootenai River/Kootenay Lake Burbot Conservation Strategy
Appendix 100	Water Quality Data from Trout and Parker Creeks
Appendix 101	A Summary of White Sturgeon Contaminant Studies
Appendix 102	Assessment of Kootenai River Dike Vegetation
Appendix 103	An Adaptive Multidisciplinary Conservation Aquaculture Plan for Endangered Kootenai River White Sturgeon
Appendix 104	Trout Creek Biological Assessment
Appendix 105	Interim Trout Creek Monitoring Report
Appendix 106	Parker Creek Biological Assessment
Appendix 107	Links and Abstracts to White Sturgeon Scientific Papers
Appendix 108	Explanation of why we did not use EDT
Appendix 109	Guiding Principles for the Wetlands Conservation Plan
Appendix 110	Description of KVRI
Appendix 111	KTOI/BEF Model Watershed Objectives and Strategies

-
- Appendix 112** Near-term Opportunity Maps
- Appendix 113** Various BC Ministry of Water, Land and Air Protection Fisheries Reports
- Appendix 114** ISRP Presentation
- Appendix 115** Protocol for Monitoring Trajectories of Bull Trout Populations Using Demographic Parameters in a Probabilistic Framework
- Appendix 116** Proposal to evaluate the effects of the NWPCC Mainstem Amendments on fisheries upstream and downstream of Hungry Horse and Libby Dams.
- Appendix 117** Summary of Public Involvement
- Appendix 118** A Riparian Habitat Hypothesis for Successful Reproduction of White Sturgeon (Coutant 2004)
- Appendix 119** Effects of Sedimentation and Water Velocity on White Sturgeon Embryo Survival. MS Thesis. (Kock 2004)
- Appendix 120** Kootenai River Ecosystem Project: an Ecosystem Approach to Evaluate and Rehabilitate a Degraded, Large Riverine Ecosystem (Holderman and Hardy 2004)
- Appendix 121** Annual Report: Preliminary Investigations into the Feasibility of Developing Conservation Aquaculture Techniques for Burbot (Cain and Jensen 2004)
- Appendix 122** Responses of Periphyton, Benthic Macroinvertebrates, and Juvenile White Sturgeon to Experimental Additions of Nitrogen and Phosphorous in the Kootenai River, Idaho, MS Thesis (Hoyle 2003)